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Fax : 908 789 8922

DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : AVE L

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1574

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1574

Project ID : Ave L

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1574-01	WC1
Q1574-02	WC1

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:12 pm, Mar 27, 2025

Date: 3/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : G Environmental

Project Location : NJ Project Number : - Ave L

Laboratory Sample ID(s) : Q1574 Sampling Date(s) : 03/12/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,1030,1311,6010D,7470A,7471B,8082A,8260D,8270E,9012B,9034,9045D,NJ EPH**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☐ Yes ☑ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☑ Yes ☐ No ☐ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis perform ed on instrument MSVOA_Y were done using GC colu mn Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for
WC1 [4-Bromofluorobenzene - 60%],
WC1RE [4-Bromofluorobenzene - 66%] this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements except for WC1, WC1RE sample was reanalyzed to confirm the failure and reported.
The Retention Times were acceptable for all samples.

The RPD for {VY0317SBSD01} with File ID: VY021546.D met criteria except for 2-Butanone[33%], Acetone[34%], and Trichlorofluoromethane[31%]due to difference in results of BS and BSD.

The Blank Spike for {VY0317SBS01} with File ID: VY021545.D met requirements for all samples except for Acetone[170%] this compound did not meet the NJDKQP criteria

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and in-house criteria, is failing high and associate sample having hit of acetone but below CRQL therefore no corrective action taken.

The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

The Sample #WC1RE have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis..

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data p ackage is in compliance with the te rms and conditions of the contract, both technically and for com pleteness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature 

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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_P using GC Column ZB-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for WC1 [2,4,6-Tribromophenol - 21%, 2-Fluorobiphenyl - 27%, 2-Fluorophenol - 22%, Nitrobenzene-d5 - 24%, Phenol-d6 - 21%, Terphenyl-d14 - 26%] and WC1DL [2,4,6-Tribromophenol - 18%, 2-Fluorobiphenyl - 26%, 2-Fluorophenol - 19%, Nitrobenzene-d5 - 22%, Phenol-d6 - 18%, Terphenyl-d14 - 26%] these surrogate did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {Q1585-01MS} with File ID: BF141980.D recoveries met the requirements for all compounds except for 4,6-Dinitro-2-methylphenol[23%], 4-Chloroaniline[33%], Benzo(a)anthracene[67%], Benzo(g,h,i)perylene[69%], Benzo(k)fluoranthene[68%], Chrysene[67%], Fluoranthene[50%] and Phenanthrene[60%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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The MSD {Q1585-01MSD} with File ID: BF141981.D recoveries met the acceptable requirements except for 4,6-Dinitro-2-methylphenol[16%], 4-Chloroaniline[46%] and Fluoranthene[60%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria

The RPD for {Q1585-01MSD} with File ID: BF141981.D met criteria except for 2,4-Dinitrophenol[24%], this compound did not meet the NJDKQP criteria but met the in-house criteria, while 4,6-Dinitro-2-methylphenol[36%], 4-Chloroaniline[33%] and Hexachlorocyclopentadiene[36%], this compound did not meet the NJDKQP criteria and in-house criteria but due to difference in results of MS and MSD.

The Blank Spike for {PB167157BS} with File ID: BP024181.D met requirements for all samples except for 3-Nitroaniline[59%], 4-Chloroaniline[49%], Atrazine[147%] and Hexachlorocyclopentadiene[164%] , these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BF031025.M) for 2,4-Dinitrophenol and this compound is passing on Linear Regression.
The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Samples WC1 analyzed with direct 5x dilution due to viscous matrix and needed further 5X dilution.

Sample WC1 was diluted due to high concentration.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ APPROVED

By Nimisha Pandya, QA/QC Supervisor at 2:14 pm, Mar 27, 2025

284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: PCB

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for C0O18MS [Decachlorobiphenyl(2) - 170%], C0O18MSD [Decachlorobiphenyl(2) - 166%] and WC1DL [Decachlorobiphenyl(1) - 163%]these compounds did not meet the NJDKQP criteria but met the in-house criteria .

The Retention Times were acceptable for all samples.

The MS recoveries for {Q1572-06MS} with File ID: PP070564.D met requirements for all samples except for AR1016[7313%] and AR1260[169%]these compounds did not meet the NJDKQP criteria and in-house criteria, due to sample matrix interference.

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The MSD {Q1572-06MSD} with File ID: PP070565.D recoveries met requirements for all samples except for AR1016[7777%] and AR1260[215%]these compounds did not meet the NJDKQP criteria and in-house criteria, due to sample matrix interference.

The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID PO109923.D met the requirements except for Decachlorobiphenyl is failing in 2nd column but it is passing in 1st column therefore no corrective action taken.

Sample WC1 was diluted due to high concentration.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature ***APPROVED***
By Nimisha Pandya, QA/QC Supervisor at 2:14 pm, Mar 27, 2025

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Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: EPH

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for EPH.

C. Analytical Techniques:
The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis of EPHs was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for WC1DL [1-chlorooctadecane (SURR) - 147%],but this sample was required dilution as well due to high concentration, therefore original and Dilution analysis were reported and no further corrective action taken for aliphatic.

The Surrogate recoveries met the acceptable criteria except for WC1DL [2-Bromonaphthalene (SURR) - 0%, 2-Flurobiphenyl (SURR) - 0% and ortho-Terphenyl (SURR) - 0%] Surrogates were diluted out due to the high dilution. No further corrective action was taken for aromatic.

The Retention Times were acceptable for all samples.

The MS {Q1574-01MS} with File ID: FF015701.D recoveries met the requirements for all compounds except for Aliphatic C16-C21[188%], Aliphatic C21-C28[1641%] and Aliphatic C28-C40[1845%] Due to matrix interference.

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The MS {Q1574-01MS} with File ID: FG015518.D recoveries met the requirements for all compounds except for Aromatic C21-C36[5601%] Due to matrix interference.

The MSD {Q1574-01MSD} with File ID: FF015702.D recoveries met the acceptable requirements except for Aliphatic C16-C21[195%], Aliphatic C21-C28[1782%] and Aliphatic C28-C40[2028%] Due to matrix interference .

The MSD {Q1574-01MSD} with File ID: FG015519.D recoveries met the acceptable requirements except for Aromatic C21-C36[4736%] Due to matrix interference .

The RPD for {Q1574-01MSD} with File ID: FG015519.D met criteria except for Aromatic C12-C16[48.8%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

Samples WC1 and WC1DL were diluted due to high concentrations For aliphatic.
Samples WC1 and were diluted due to high concentrations For aromatic.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:15 pm, Mar 27, 2025

Signature_____

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample WC1 was diluted due to high concentrations for Chromium, Copper, Iron, Mercury, Silver and Zinc.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (TR-06-031425MS) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Chromium, Copper, Sodium, Zinc due to matrix interference.
The Matrix Spike Duplicate (TR-06-031425MSD) analysis met criteria for all samples except for Antimony, Barium, Beryllium, Chromium, Copper, Sodium, Zinc due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met criteria for all samples.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:15 pm, Mar 27, 2025

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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: TCLP Mercury,TCLP ICP Metals

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for TCLP Mercury,TCLP ICP Metals.

C. Analytical Techniques:
The analysis of TCLP ICP Metals was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:15 pm, Mar 27, 2025

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CASE NARRATIVE

G Environmental
Project Name: Ave L
Project # N/A
Chemtech Project # Q1574
Test Name: Corrosivity,pH,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 03/14/2025.
1 Solid sample was received on 03/14/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for Corrosivity,pH,Ignitability,Reactive Cyanide,Reactive Sulfide.

C. Analytical Techniques:
The analysis of Ignitability was based on method 1030, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034, The analysis of Corrosivity,pH was based on method 9045D and The analysis of Paint Filter was based on method 9095B.

D. QA/ QC Samples:
The Holding Times were met for all samples except for WC1 of pH, for WC1 of Corrosivity as sample were received out of holding time.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:15 pm, Mar 27, 2025

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Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1574

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: MOHAMMAD AHMED **Date:** 03/27/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1574

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WC1**							
Q1574-01	WC1	SOIL	Trichlorofluoromethane	1.20	J	1.20	5.10	ug/Kg
			Total Voc :	1.20				
			Total Concentration:	1.20				
Client ID:	**WC1RE**							
Q1574-01RE	WC1RE	SOIL	Trichlorofluoromethane	1.60	J	1.20	5.00	ug/Kg
Q1574-01RE	WC1RE	SOIL	Acetone	6.60	JQ	4.80	25.1	ug/Kg
			Total Voc :	8.20				
			Total Concentration:	8.20				

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021549.D	1		03/17/25 14:26	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.80	U	0.80	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	J	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.10	ug/Kg
67-64-1	Acetone	4.80	UQ	4.80	25.4	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.87	U	0.87	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.10	ug/Kg
110-82-7	Cyclohexane	0.80	U	0.80	5.10	ug/Kg
78-93-3	2-Butanone	6.60	U	6.60	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.76	U	0.76	5.10	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.92	U	0.92	5.10	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.80	U	0.80	5.10	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.92	U	0.92	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.79	U	0.79	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.4	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.10	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021549.D	1		03/17/25 14:26	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.94	5.10	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.4	ug/Kg
124-48-1	Dibromochloromethane	0.88	U	0.88	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.89	U	0.89	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.92	U	0.92	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.2	ug/Kg
95-47-6	o-Xylene	0.83	U	0.83	5.10	ug/Kg
100-42-5	Styrene	0.72	U	0.72	5.10	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	45.9		70 (74) - 130 (123)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.1	*	70 (38) - 130 (136)	60%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	98900	7.707			
540-36-3	1,4-Difluorobenzene	155000	8.616			
3114-55-4	Chlorobenzene-d5	117000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	33500	13.347			

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021549.D	1		03/17/25 14:26	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1RE	SDG No.:	Q1574
Lab Sample ID:	Q1574-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021552.D	1		03/17/25 15:55	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.60	J	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	6.60	JQ	4.80	25.1	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.60	U	6.60	25.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.1	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1RE	SDG No.:	Q1574
Lab Sample ID:	Q1574-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021552.D	1		03/17/25 15:55	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.1	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		70 (70) - 130 (134)	108%	SPK: 50
2037-26-5	Toluene-d8	46.9		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	32.8	*	70 (38) - 130 (136)	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	7.707			
540-36-3	1,4-Difluorobenzene	241000	8.616			
3114-55-4	Chlorobenzene-d5	191000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	59400	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1RE	SDG No.:	Q1574
Lab Sample ID:	Q1574-01RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021552.D	1		03/17/25 15:55	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q1574-01	WC1	1,2-Dichloroethane-d4	50	49.0	98		70 (63)	130 (155)
		Dibromofluoromethane	50	53.6	107		70 (70)	130 (134)
		Toluene-d8	50	45.9	92		70 (74)	130 (123)
		4-Bromofluorobenzene	50	30.1	60	*	70 (38)	130 (136)
Q1574-01RE	WC1RE	1,2-Dichloroethane-d4	50	54.7	109		70 (63)	130 (155)
		Dibromofluoromethane	50	53.9	108		70 (70)	130 (134)
		Toluene-d8	50	46.9	94		70 (74)	130 (123)
		4-Bromofluorobenzene	50	32.8	66	*	70 (38)	130 (136)
VY0317SBL01	VY0317SBL01	1,2-Dichloroethane-d4	50	52.5	105		70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100		70 (70)	130 (134)
		Toluene-d8	50	48.2	96		70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.1	82		70 (38)	130 (136)
VY0317SBS01	VY0317SBS01	1,2-Dichloroethane-d4	50	52.0	104		70 (63)	130 (155)
		Dibromofluoromethane	50	51.5	103		70 (70)	130 (134)
		Toluene-d8	50	50.2	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.7	101		70 (38)	130 (136)
VY0317SBSD01	VY0317SBSD01	1,2-Dichloroethane-d4	50	51.5	103		70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	102		70 (70)	130 (134)
		Toluene-d8	50	50.3	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.3	101		70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021545.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0317SBS01	Dichlorodifluoromethane	20	19.3	ug/Kg	97			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (70)	160 (130)	
	Vinyl chloride	20	21.2	ug/Kg	106			70 (72)	130 (129)	
	Bromomethane	20	20.4	ug/Kg	102			40 (58)	160 (141)	
	Chloroethane	20	23.1	ug/Kg	116			40 (69)	160 (130)	
	Trichlorofluoromethane	20	24.4	ug/Kg	122			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/Kg	107			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.9	ug/Kg	104			70 (79)	130 (121)	
	Acetone	100	170	ug/Kg	170		*	40 (60)	160 (131)	
	Carbon disulfide	20	18.8	ug/Kg	94			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.6	ug/Kg	108			70 (77)	130 (129)	
	Methyl Acetate	20	22.9	ug/Kg	115			70 (69)	130 (149)	
	Methylene Chloride	20	21.1	ug/Kg	106			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	Cyclohexane	20	19.0	ug/Kg	95			70 (76)	130 (122)	
	2-Butanone	100	140	ug/Kg	140			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.8	ug/Kg	104			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	Bromochloromethane	20	20.7	ug/Kg	104			70 (80)	130 (127)	
	Chloroform	20	21.3	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			70 (80)	130 (126)	
	Methylcyclohexane	20	19.3	ug/Kg	97			70 (77)	130 (123)	
	Benzene	20	20.9	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	21.9	ug/Kg	110			70 (81)	130 (126)	
	Trichloroethene	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.2	ug/Kg	106			70 (83)	130 (122)	
	Bromodichloromethane	20	21.3	ug/Kg	106			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	120	ug/Kg	120			40 (70)	160 (135)	
	Toluene	20	20.7	ug/Kg	104			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	21.4	ug/Kg	107			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	21.5	ug/Kg	108			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	22.3	ug/Kg	112			70 (82)	130 (125)	
	2-Hexanone	100	130	ug/Kg	130			40 (66)	160 (138)	
	Dibromochloromethane	20	22.1	ug/Kg	111			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			70 (80)	130 (125)	
	Tetrachloroethene	20	24.4	ug/Kg	122			70 (83)	130 (125)	
	Chlorobenzene	20	20.6	ug/Kg	103			70 (84)	130 (122)	
	Ethyl Benzene	20	20.0	ug/Kg	100			70 (82)	130 (124)	
	m/p-Xylenes	40	40.8	ug/Kg	102			70 (83)	130 (124)	
	o-Xylene	20	20.1	ug/Kg	101			70 (83)	130 (123)	
	Styrene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	Bromoform	20	22.5	ug/Kg	113			70 (75)	130 (127)	
	Isopropylbenzene	20	19.9	ug/Kg	100			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.4	ug/Kg	102			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.0	ug/Kg	105			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021545.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0317SBS01	1,2-Dibromo-3-Chloropropane	20	20.9	ug/Kg	104			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.8	ug/Kg	104			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021546.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0317SBSD01	Dichlorodifluoromethane	20	16.2	ug/Kg	81	18		40 (64)	160 (136)	30 (20)
	Chloromethane	20	17.0	ug/Kg	85	15		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.2	ug/Kg	91	15		70 (72)	130 (129)	30 (20)
	Bromomethane	20	17.8	ug/Kg	89	14		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.4	ug/Kg	92	23		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	17.8	ug/Kg	89	31	*	40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	17.9	ug/Kg	90	17		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	17.0	ug/Kg	85	20		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	34	*	40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	15.7	ug/Kg	79	17		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	17.9	ug/Kg	90	18		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.0	ug/Kg	100	14		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	18.1	ug/Kg	91	15		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	17.3	ug/Kg	86	15		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	18.1	ug/Kg	91	13		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	15.8	ug/Kg	79	18		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	33	*	40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	17.5	ug/Kg	88	17		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	17.6	ug/Kg	88	16		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.0	ug/Kg	100	4		70 (80)	130 (127)	30 (20)
	Chloroform	20	18.1	ug/Kg	91	15		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	17.5	ug/Kg	88	17		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	16.1	ug/Kg	81	18		70 (77)	130 (123)	30 (20)
	Benzene	20	17.6	ug/Kg	88	17		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	18.4	ug/Kg	92	18		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	18.0	ug/Kg	90	14		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	18.0	ug/Kg	90	16		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	18.4	ug/Kg	92	14		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	95.8	ug/Kg	96	22		40 (70)	160 (135)	30 (20)
	Toluene	20	17.4	ug/Kg	87	18		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	18.4	ug/Kg	92	15		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	18.2	ug/Kg	91	17		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	19.2	ug/Kg	96	15		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	26		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	18.7	ug/Kg	94	17		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	18.2	ug/Kg	91	16		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.6	ug/Kg	103	17		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	17.9	ug/Kg	90	13		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	17.2	ug/Kg	86	15		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	34.6	ug/Kg	86	17		70 (83)	130 (124)	30 (20)
	o-Xylene	20	17.4	ug/Kg	87	15		70 (83)	130 (123)	30 (20)
	Styrene	20	17.6	ug/Kg	88	16		70 (82)	130 (124)	30 (20)
	Bromoform	20	18.8	ug/Kg	94	18		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	16.7	ug/Kg	84	17		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	17.5	ug/Kg	88	19		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	17.1	ug/Kg	86	15		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	17.4	ug/Kg	87	16		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	17.6	ug/Kg	88	18		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021546.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0317SBSD01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91	13		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	17.1	ug/Kg	86	16		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	17.8	ug/Kg	89	16		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0317SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: VY021544.D Lab Sample ID: VY0317SBL01

Date Analyzed: 03/17/2025 Time Analyzed: 10:39

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0317SBS01	VY0317SBS01	VY021545.D	03/17/2025
VY0317SBSD01	VY0317SBSD01	VY021546.D	03/17/2025
WC1	Q1574-01	VY021549.D	03/17/2025
WC1RE	Q1574-01RE	VY021552.D	03/17/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: VY021395.D BFB Injection Date: 03/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	54.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	75.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC010	VSTDICC010	VY021397.D	03/04/2025	09:46
VSTDICC020	VSTDICC020	VY021398.D	03/04/2025	10:09
VSTDICCC050	VSTDICCC050	VY021399.D	03/04/2025	10:30
VSTDICC100	VSTDICC100	VY021400.D	03/04/2025	11:06
VSTDICC150	VSTDICC150	VY021401.D	03/04/2025	11:29
VSTDICC005	VSTDICC005	VY021403.D	03/04/2025	12:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: VY021542.D BFB Injection Date: 03/17/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:26

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	80.8
175	5.0 - 9.0% of mass 174	6.4 (7.9) 1
176	95.0 - 101.0% of mass 174	77.4 (95.8) 1
177	5.0 - 9.0% of mass 176	5.2 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021543.D	03/17/2025	10:04
VY0317SBL01	VY0317SBL01	VY021544.D	03/17/2025	10:39
VY0317SBS01	VY0317SBS01	VY021545.D	03/17/2025	12:49
VY0317SBSD01	VY0317SBSD01	VY021546.D	03/17/2025	13:12
WC1	Q1574-01	VY021549.D	03/17/2025	14:26
WC1RE	Q1574-01RE	VY021552.D	03/17/2025	15:55

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: VY021543.D Date Analyzed: 03/17/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:04

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	202760	7.71	316994	8.62	284592	11.42
UPPER LIMIT	405520	8.207	633988	9.116	569184	11.92
LOWER LIMIT	101380	7.207	158497	8.116	142296	10.92
EPA SAMPLE NO.						
WC1	98896 *	7.71	155221 *	8.62	116517 *	11.41
WC1RE	140963	7.71	240910	8.62	190816	11.41
VY0317SBL01	272314	7.71	493002	8.62	420924	11.41
VY0317SBS01	209203	7.71	320346	8.62	284395	11.42
VY0317SBSD01	219903	7.71	338794	8.62	299964	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: VY021543.D Date Analyzed: 03/17/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:04

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	146377		13.346				
UPPER LIMIT	292754		13.846				
LOWER LIMIT	73188.5		12.846				
EPA SAMPLE NO.							
WC1	33476	*	13.35				
WC1RE	59425	*	13.35				
VY0317SBL01	158203		13.35				
VY0317SBS01	146283		13.35				
VY0317SBSD01	155756		13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	VY0317SBL01	SDG No.:	Q1574
Lab Sample ID:	VY0317SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021544.D	1		03/17/25 10:39	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	VY0317SBL01	SDG No.:	Q1574
Lab Sample ID:	VY0317SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021544.D	1		03/17/25 10:39	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.1		70 (38) - 130 (136)	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	272000	7.707			
540-36-3	1,4-Difluorobenzene	493000	8.616			
3114-55-4	Chlorobenzene-d5	421000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	158000	13.347			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	VY0317SBL01	SDG No.:	Q1574
Lab Sample ID:	VY0317SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021544.D	1		03/17/25 10:39	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	VY0317SBS01	SDG No.:	Q1574
Lab Sample ID:	VY0317SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021545.D	1		03/17/25 12:49	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	23.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	24.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.9		1.00	5.00	ug/Kg
67-64-1	Acetone	170		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.6		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.9		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	140		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.3		0.91	5.00	ug/Kg
71-43-2	Benzene	20.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	120		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	VY0317SBS01	SDG No.:	Q1574
Lab Sample ID:	VY0317SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021545.D	1		03/17/25 12:49	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	130		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	24.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.6		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.4		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	7.707			
540-36-3	1,4-Difluorobenzene	320000	8.616			
3114-55-4	Chlorobenzene-d5	284000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.347			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	VY0317SBS01	SDG No.:	Q1574
Lab Sample ID:	VY0317SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021545.D	1		03/17/25 12:49	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	VY0317SBSD01	SDG No.:	Q1574
Lab Sample ID:	VY0317SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021546.D	1		03/17/25 13:12	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	17.0		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	17.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	17.8		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	17.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	17.0		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	15.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	17.9		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	15.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	17.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	17.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	18.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	17.5		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.1		0.91	5.00	ug/Kg
71-43-2	Benzene	17.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	18.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	18.0		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	18.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	18.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.8		3.60	25.0	ug/Kg
108-88-3	Toluene	17.4		0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	VY0317SBSD01	SDG No.:	Q1574
Lab Sample ID:	VY0317SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021546.D	1		03/17/25 13:12	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.7		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	17.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	34.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	17.4		0.82	5.00	ug/Kg
100-42-5	Styrene	17.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	16.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	17.5		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	17.4		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	17.6		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		70 (63) - 130 (155)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.707			
540-36-3	1,4-Difluorobenzene	339000	8.616			
3114-55-4	Chlorobenzene-d5	300000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	VY0317SBSD01	SDG No.:	Q1574
Lab Sample ID:	VY0317SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021546.D	1		03/17/25 13:12	VY031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.493	0.416	0.447	0.440	0.429	0.529	0.459	9.4
Chloromethane	0.694	0.588	0.617	0.608	0.580	0.793	0.647	12.7
Vinyl Chloride	0.762	0.639	0.691	0.706	0.665	0.778	0.707	7.7
Bromomethane	0.555	0.450	0.468	0.483	0.468	0.641	0.511	14.4
Chloroethane	0.505	0.427	0.460	0.458	0.432	0.521	0.467	8.2
Trichlorofluoromethane	1.050	0.896	0.967	0.963	0.935	1.109	0.987	8
1,1,2-Trichlorotrifluoroethane	0.600	0.507	0.538	0.542	0.525	0.668	0.563	10.7
1,1-Dichloroethene	0.542	0.460	0.506	0.512	0.494	0.566	0.514	7.2
Acetone	0.124	0.091	0.134	0.103	0.095	0.144	0.115	18.9
Carbon Disulfide	1.705	1.425	1.631	1.618	1.546	1.732	1.610	7
Methyl tert-butyl Ether	1.290	1.177	1.366	1.299	1.315	1.364	1.302	5.3
Methyl Acetate	0.253	0.227	0.284	0.245	0.257	0.268	0.256	7.6
Methylene Chloride	0.717	0.538	0.552	0.530	0.507	0.788	0.605	19.4
trans-1,2-Dichloroethene	0.608	0.516	0.564	0.570	0.545	0.648	0.575	8.1
1,1-Dichloroethane	1.124	0.955	1.050	1.035	0.991	1.179	1.056	7.9
Cyclohexane	1.039	0.885	0.941	0.943	0.914	1.216	0.990	12.4
2-Butanone	0.160	0.136	0.181	0.149	0.151	0.180	0.159	11.2
Carbon Tetrachloride	0.627	0.538	0.587	0.595	0.579	0.625	0.592	5.6
cis-1,2-Dichloroethene	0.675	0.592	0.654	0.658	0.639	0.702	0.653	5.6
Bromochloromethane	0.481	0.423	0.467	0.426	0.380	0.478	0.443	9
Chloroform	1.181	0.992	1.087	1.066	1.029	1.222	1.096	8.1
1,1,1-Trichloroethane	1.063	0.894	0.978	0.983	0.953	1.151	1.004	9
Methylcyclohexane	0.595	0.550	0.651	0.680	0.669	0.641	0.631	7.8
Benzene	1.554	1.366	1.542	1.540	1.473	1.618	1.515	5.7
1,2-Dichloroethane	0.446	0.386	0.436	0.414	0.408	0.453	0.424	6.1
Trichloroethene	0.390	0.349	0.381	0.384	0.378	0.415	0.383	5.5
1,2-Dichloropropane	0.371	0.333	0.368	0.358	0.347	0.388	0.361	5.3
Bromodichloromethane	0.550	0.485	0.548	0.535	0.521	0.559	0.533	5
4-Methyl-2-Pentanone	0.210	0.202	0.263	0.230	0.243	0.219	0.228	9.9
Toluene	0.952	0.853	0.988	0.997	0.958	0.983	0.955	5.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.447	0.420	0.499	0.495	0.495	0.461	0.470	6.8
cis-1,3-Dichloropropene	0.544	0.498	0.587	0.579	0.566	0.570	0.557	5.8
1,1,2-Trichloroethane	0.264	0.237	0.283	0.259	0.257	0.274	0.263	6
2-Hexanone	0.135	0.129	0.182	0.156	0.163	0.139	0.151	13.1
Dibromochloromethane	0.358	0.327	0.376	0.363	0.361	0.374	0.360	4.9
1,2-Dibromoethane	0.246	0.226	0.262	0.248	0.247	0.258	0.248	5.1
Tetrachloroethene	0.418	0.370	0.403	0.407	0.393	0.449	0.407	6.5
Chlorobenzene	1.194	1.065	1.186	1.192	1.165	1.283	1.181	5.9
Ethyl Benzene	2.005	1.825	2.135	2.209	2.146	2.115	2.072	6.7
m/p-Xylenes	0.761	0.705	0.822	0.833	0.803	0.797	0.787	6
o-Xylene	0.700	0.635	0.759	0.779	0.754	0.723	0.725	7.2
Styrene	1.133	1.084	1.277	1.306	1.267	1.151	1.203	7.6
Bromoform	0.227	0.213	0.250	0.237	0.238	0.235	0.233	5.3
Isopropylbenzene	3.797	3.468	4.034	4.231	4.124	3.977	3.939	6.9
1,1,2,2-Tetrachloroethane	0.712	0.637	0.727	0.667	0.690	0.737	0.695	5.4
1,3-Dichlorobenzene	1.861	1.640	1.812	1.840	1.822	2.031	1.834	6.8
1,4-Dichlorobenzene	1.820	1.624	1.782	1.783	1.764	1.989	1.794	6.5
1,2-Dichlorobenzene	1.561	1.431	1.588	1.568	1.560	1.723	1.572	5.9
1,2-Dibromo-3-Chloropropane	0.101	0.092	0.108	0.098	0.108	0.117	0.104	8.3
1,2,4-Trichlorobenzene	0.723	0.735	0.908	0.926	0.994	0.864	0.859	12.7
1,2,3-Trichlorobenzene	0.604	0.614	0.775	0.771	0.835	0.734	0.722	13
1,2-Dichloroethane-d4	0.580	0.514	0.482	0.511	0.477	0.606	0.528	10
Dibromofluoromethane	0.348	0.315	0.296	0.332	0.311	0.371	0.329	8.3
Toluene-d8	1.276	1.179	1.135	1.289	1.203	1.384	1.244	7.2
4-Bromofluorobenzene	0.424	0.394	0.386	0.433	0.405	0.498	0.423	9.6

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: MSVOA_Y Calibration Date/Time: 03/17/2025 10:04

Lab File ID: VY021543.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.459	0.388		-15.47	20
Chloromethane	0.647	0.610	0.1	-5.72	20
Vinyl Chloride	0.707	0.691		-2.26	20
Bromomethane	0.511	0.493		-3.52	20
Chloroethane	0.467	0.508		8.78	20
Trichlorofluoromethane	0.987	1.063		7.7	20
1,1,2-Trichlorotrifluoroethane	0.563	0.527		-6.39	20
1,1-Dichloroethene	0.514	0.483		-6.03	20
Acetone	0.115	0.135		17.39	20
Carbon Disulfide	1.610	1.478		-8.2	20
Methyl tert-butyl Ether	1.302	1.287		-1.15	20
Methyl Acetate	0.256	0.301		17.58	20
Methylene Chloride	0.605	0.566		-6.45	20
trans-1,2-Dichloroethene	0.575	0.570		-0.87	20
1,1-Dichloroethane	1.056	1.074	0.1	1.71	20
Cyclohexane	0.990	0.843		-14.85	20
2-Butanone	0.159	0.162		1.89	20
Carbon Tetrachloride	0.592	0.567		-4.22	20
cis-1,2-Dichloroethene	0.653	0.661		1.23	20
Bromochloromethane	0.443	0.460		3.84	20
Chloroform	1.096	1.133		3.38	20
1,1,1-Trichloroethane	1.004	0.987		-1.69	20
Methylcyclohexane	0.631	0.575		-8.88	20
Benzene	1.515	1.513		-0.13	20
1,2-Dichloroethane	0.424	0.425		0.24	20
Trichloroethene	0.383	0.386		0.78	20
1,2-Dichloropropane	0.361	0.363		0.55	20
Bromodichloromethane	0.533	0.548		2.81	20
4-Methyl-2-Pentanone	0.228	0.223		-2.19	20
Toluene	0.955	0.970		1.57	20
t-1,3-Dichloropropene	0.470	0.480		2.13	20
cis-1,3-Dichloropropene	0.557	0.569		2.15	20
1,1,2-Trichloroethane	0.263	0.267		1.52	20
2-Hexanone	0.151	0.156		3.31	20
Dibromochloromethane	0.360	0.372		3.33	20
1,2-Dibromoethane	0.248	0.247		-0.4	20
Tetrachloroethene	0.407	0.445		9.34	20
Chlorobenzene	1.181	1.180	0.3	-0.09	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: MSVOA_Y Calibration Date/Time: 03/17/2025 10:04

Lab File ID: VY021543.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.072	2.035		-1.79	20
m/p-Xylenes	0.787	0.790		0.38	20
o-Xylene	0.725	0.739		1.93	20
Styrene	1.203	1.247		3.66	20
Bromoform	0.233	0.237	0.1	1.72	20
Isopropylbenzene	3.939	3.757		-4.62	20
1,1,2,2-Tetrachloroethane	0.695	0.635	0.3	-8.63	20
1,3-Dichlorobenzene	1.834	1.769		-3.54	20
1,4-Dichlorobenzene	1.794	1.732		-3.46	20
1,2-Dichlorobenzene	1.572	1.531		-2.61	20
1,2-Dibromo-3-Chloropropane	0.104	0.094		-9.61	20
1,2,4-Trichlorobenzene	0.859	0.849		-1.16	20
1,2,3-Trichlorobenzene	0.722	0.702		-2.77	20
1,2-Dichloroethane-d4	0.528	0.578		9.47	20
Dibromofluoromethane	0.329	0.359		9.12	20
Toluene-d8	1.244	1.327		6.67	20
4-Bromofluorobenzene	0.423	0.453		7.09	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021549.D
Acq On : 17 Mar 2025 14:26
Operator : SY/MD
Sample : Q1574-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Time: Mar 18 01:27:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

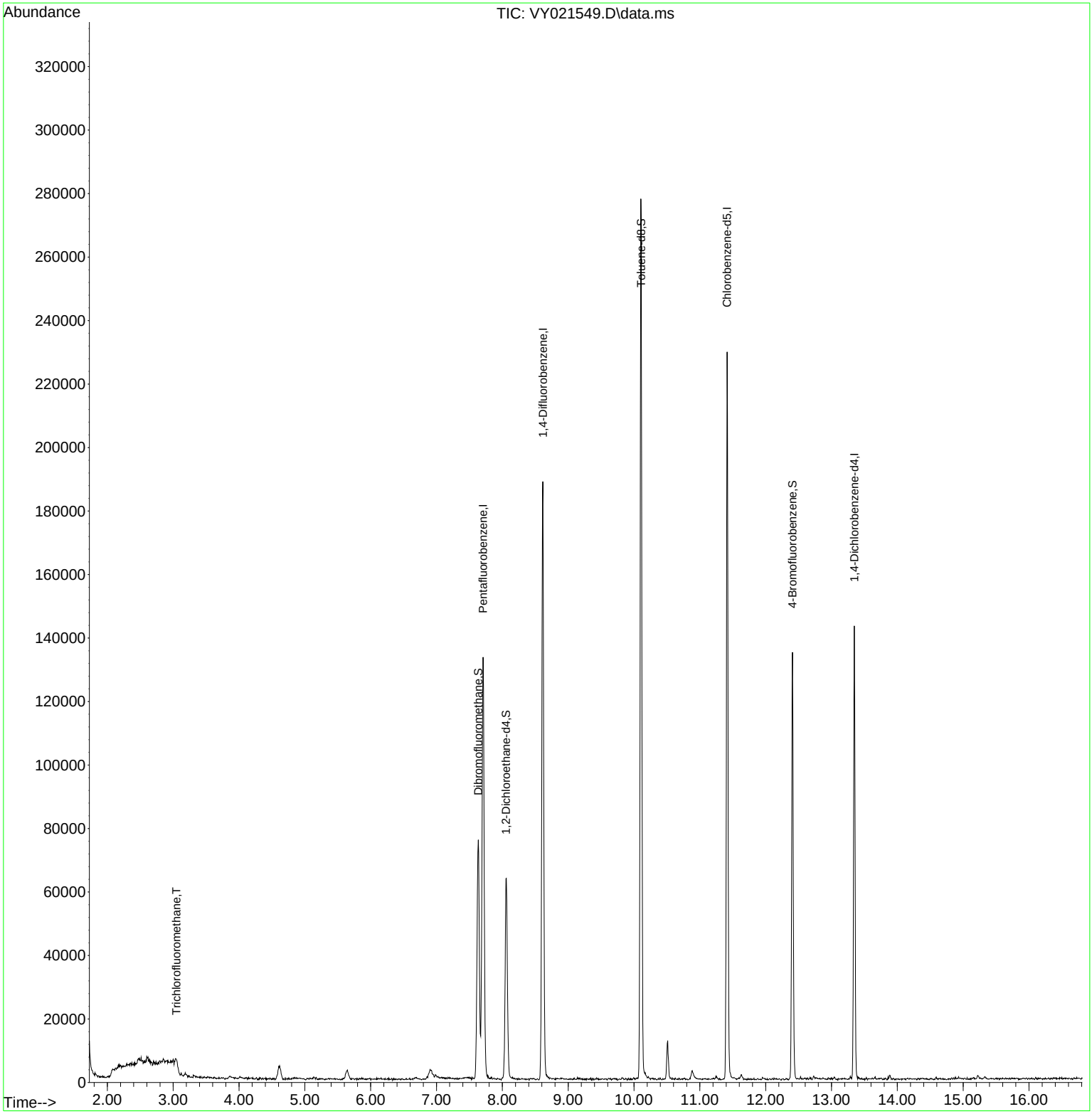
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	98896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	155221	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	116517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	33476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	51252	49.032	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.060%			
35) Dibromofluoromethane	7.634	113	54695	53.607	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.220%			
50) Toluene-d8	10.109	98	177431	45.929	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 91.860%			
62) 4-Bromofluorobenzene	12.408	95	39595	30.131	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 60.260%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.050	101	2375	1.217	ug/l #	80

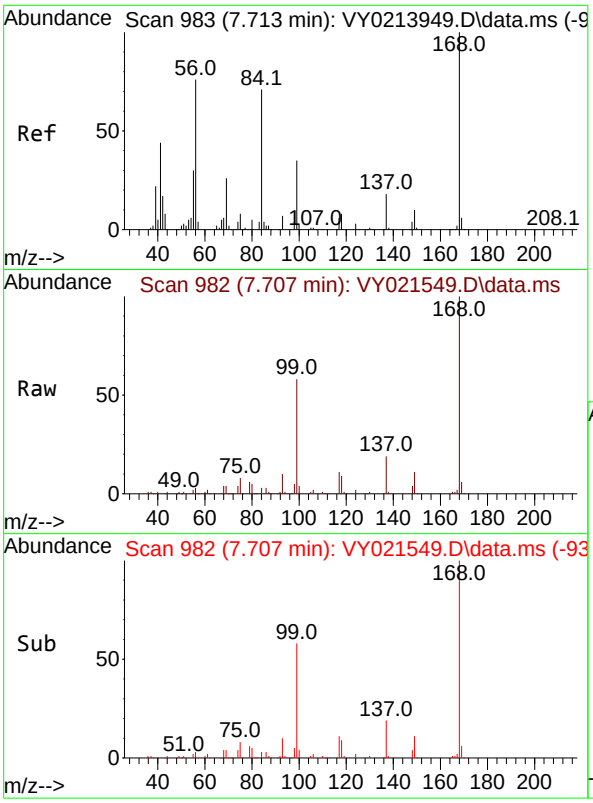
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021549.D
Acq On : 17 Mar 2025 14:26
Operator : SY/MD
Sample : Q1574-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Time: Mar 18 01:27:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



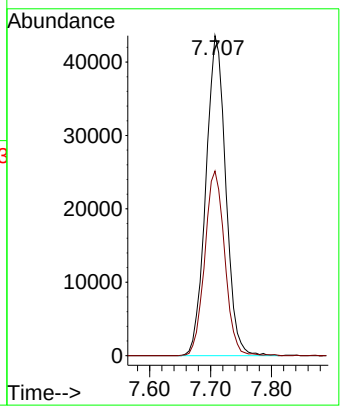


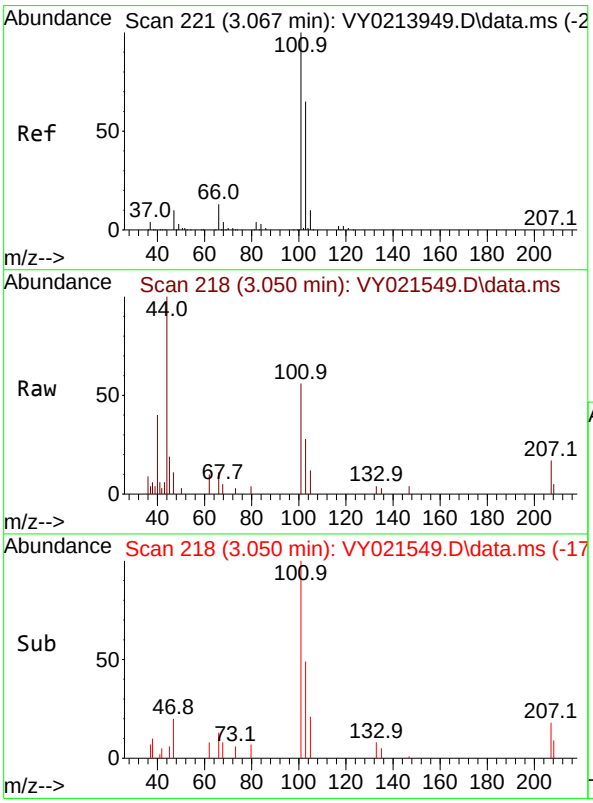
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:168 Resp: 98896

Ion	Ratio	Lower	Upper
168	100		
99	57.7	46.0	69.0

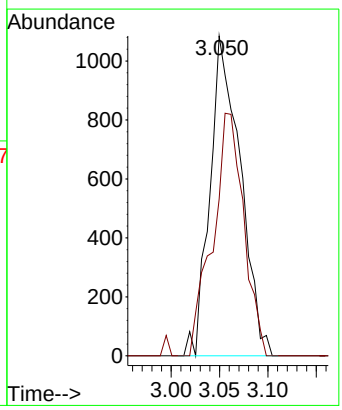


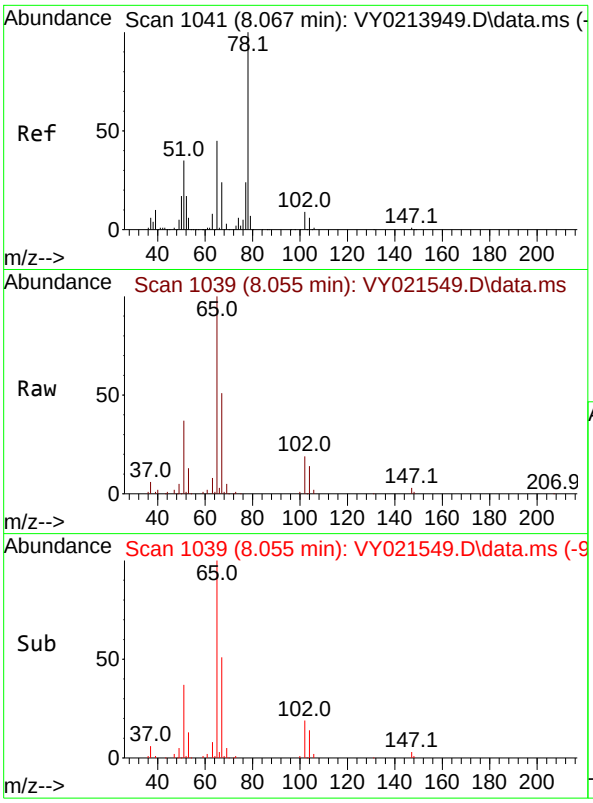


#7
Trichlorofluoromethane
Concen: 1.217 ug/l
RT: 3.050 min Scan# 218
Delta R.T. -0.018 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Tgt Ion:101 Resp: 2375

Ion	Ratio	Lower	Upper
101	100		
103	49.0	51.7	77.5#



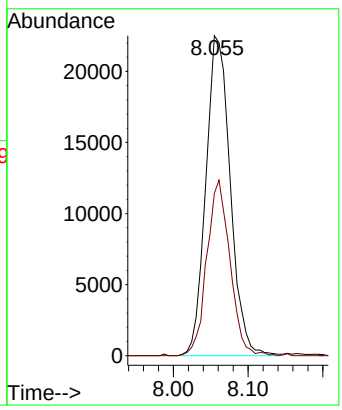


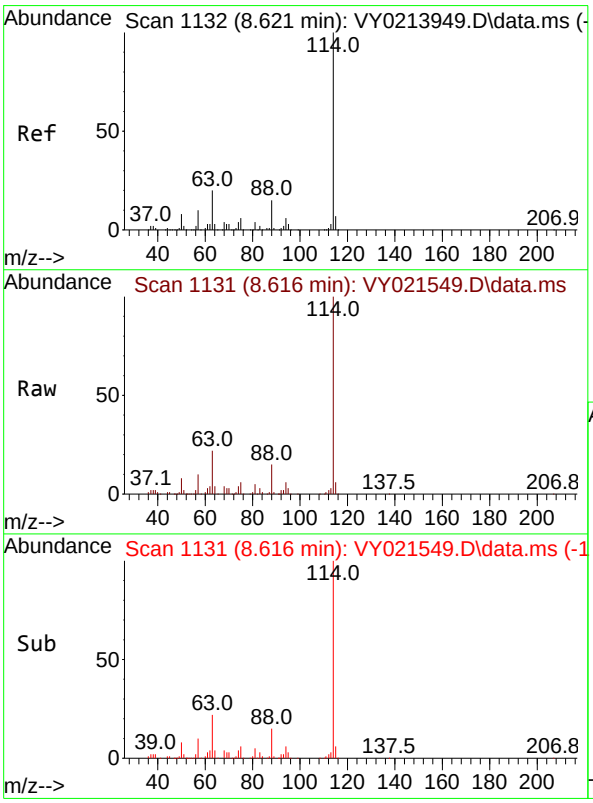
#33
1,2-Dichloroethane-d4
Concen: 49.032 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 65 Resp: 51252

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.8

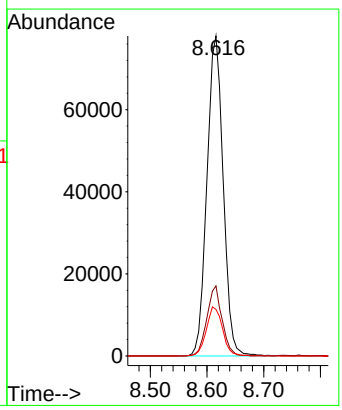


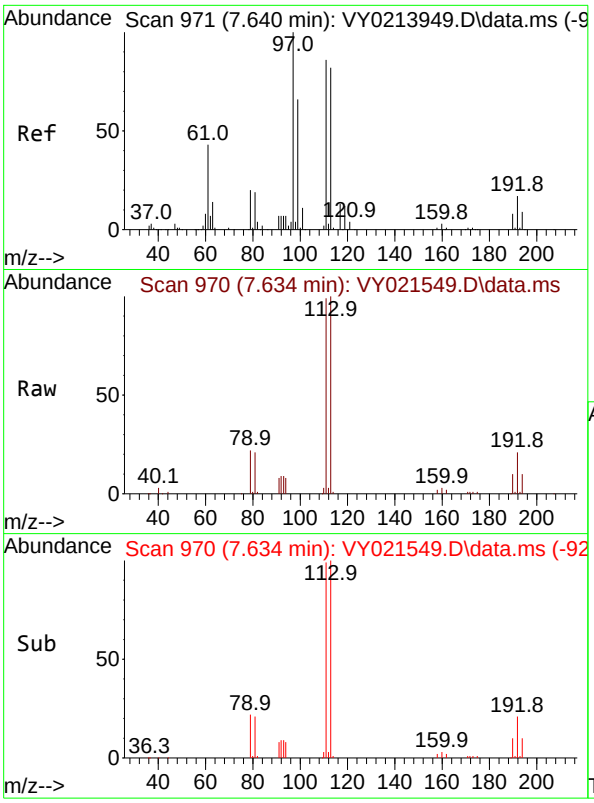


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Tgt Ion:114 Resp: 155221

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	40.8
88	14.5	0.0	30.8



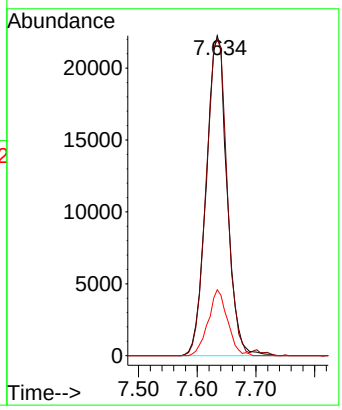


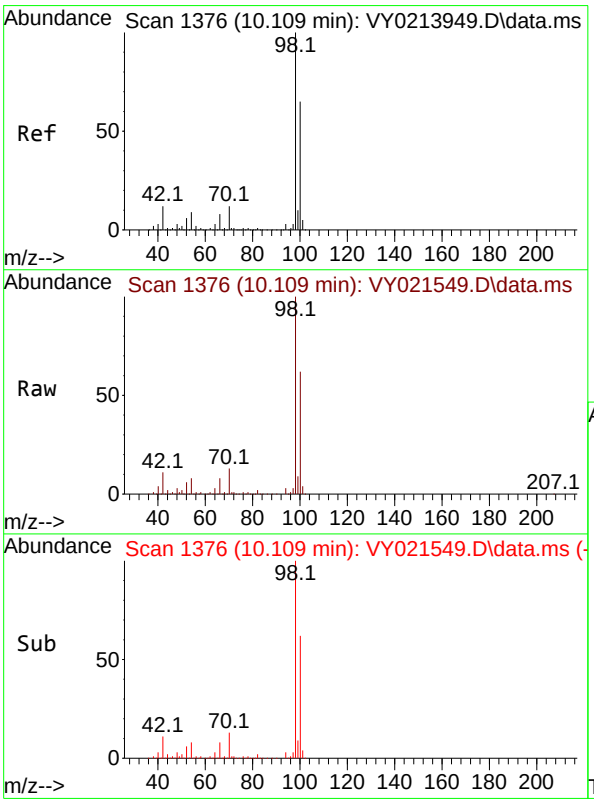
#35
Dibromofluoromethane
Concen: 53.607 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:113 Resp: 54695

Ion	Ratio	Lower	Upper
113	100		
111	99.3	82.0	123.0
192	19.2	15.9	23.9

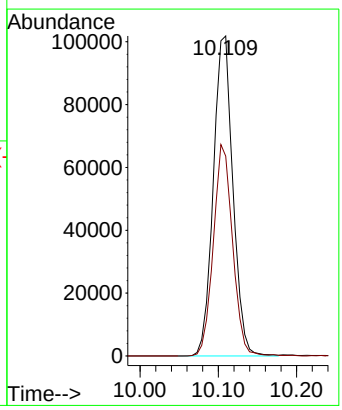


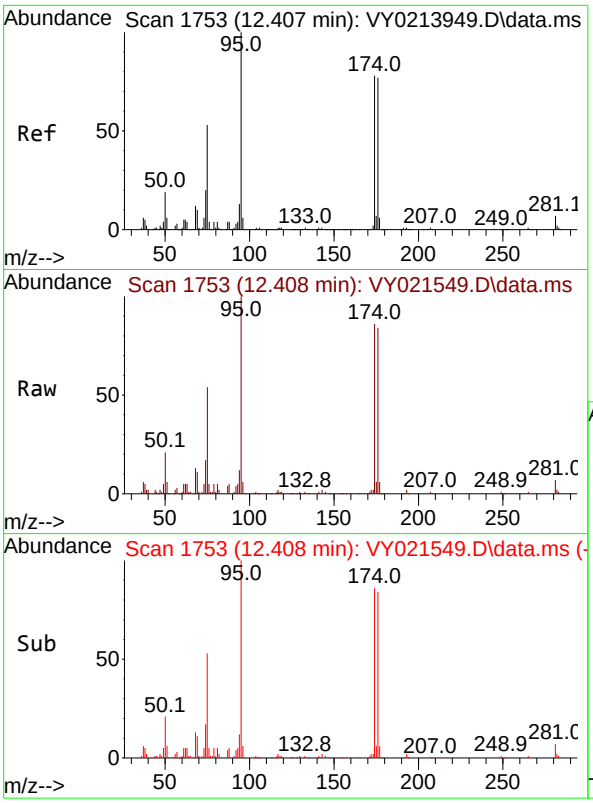


#50
Toluene-d8
Concen: 45.929 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Tgt Ion: 98 Resp: 177431

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1



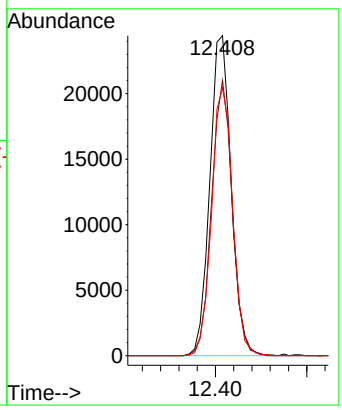


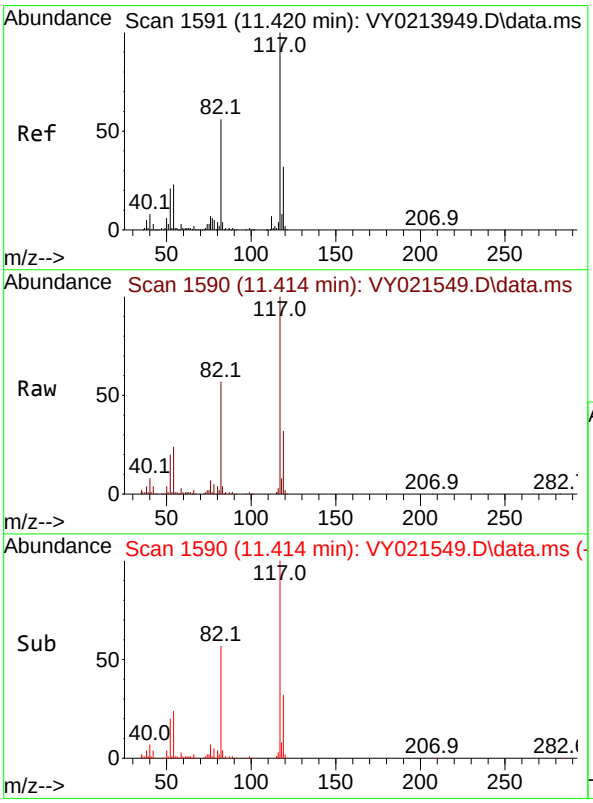
#62
4-Bromofluorobenzene
Concen: 30.131 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 95 Resp: 39595

Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	165.0
176	82.7	0.0	160.0

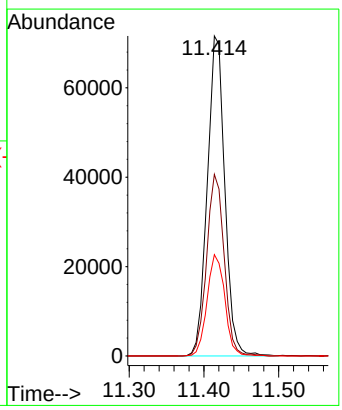


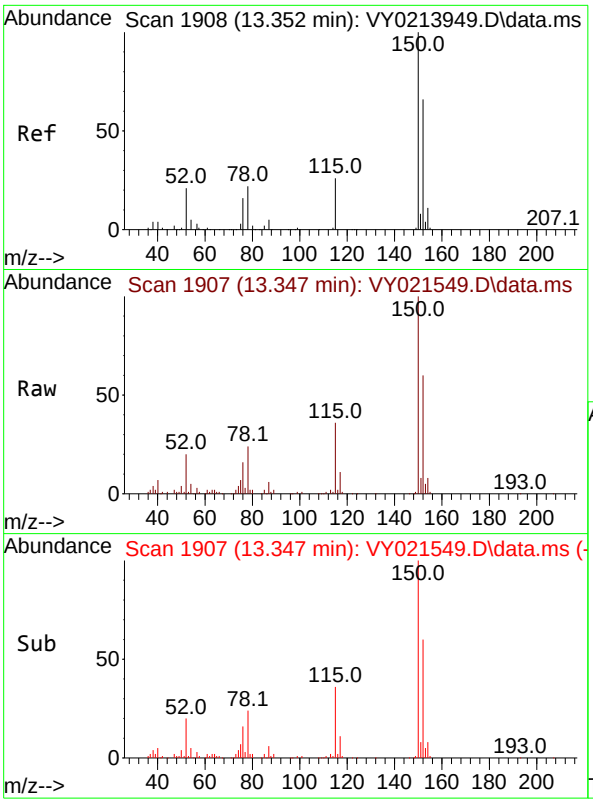


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Tgt Ion:117 Resp: 116517

Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.6	67.0
119	31.7	25.4	38.0



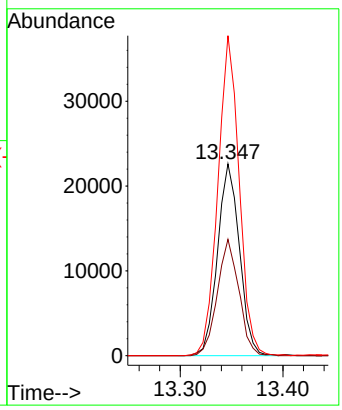


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021549.D
Acq: 17 Mar 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:152 Resp: 33476

Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.0	87.0
150	161.9	0.0	347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021549.D
Acq On : 17 Mar 2025 14:26
Operator : SY/MD
Sample : Q1574-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021549.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	52	59	61	rBV5	2440	5173	1.07%	0.218%
2	4.616	465	475	483	rVB6	4257	13531	2.81%	0.571%
3	5.647	635	644	652	rVB7	2951	8706	1.81%	0.367%
4	6.903	844	850	852	rBV3	2550	5160	1.07%	0.218%
5	7.634	960	970	976	rBV2	75232	185249	38.47%	7.816%
6	7.707	976	982	992	rVB	132093	297547	61.79%	12.554%
7	8.061	1027	1040	1054	rBV	63565	152936	31.76%	6.452%
8	8.616	1121	1131	1144	rBV	188509	378732	78.65%	15.979%
9	10.103	1368	1375	1385	rBV	277116	481520	100.00%	20.315%
10	10.512	1435	1442	1448	rBV2	12172	21013	4.36%	0.887%
11	10.884	1498	1503	1509	rBV6	2569	5959	1.24%	0.251%
12	11.414	1582	1590	1603	rBV	229087	372149	77.29%	15.701%
13	12.408	1743	1753	1763	rBV2	134723	227423	47.23%	9.595%
14	13.347	1900	1907	1915	rVB	142736	215123	44.68%	9.076%

Sum of corrected areas: 2370221

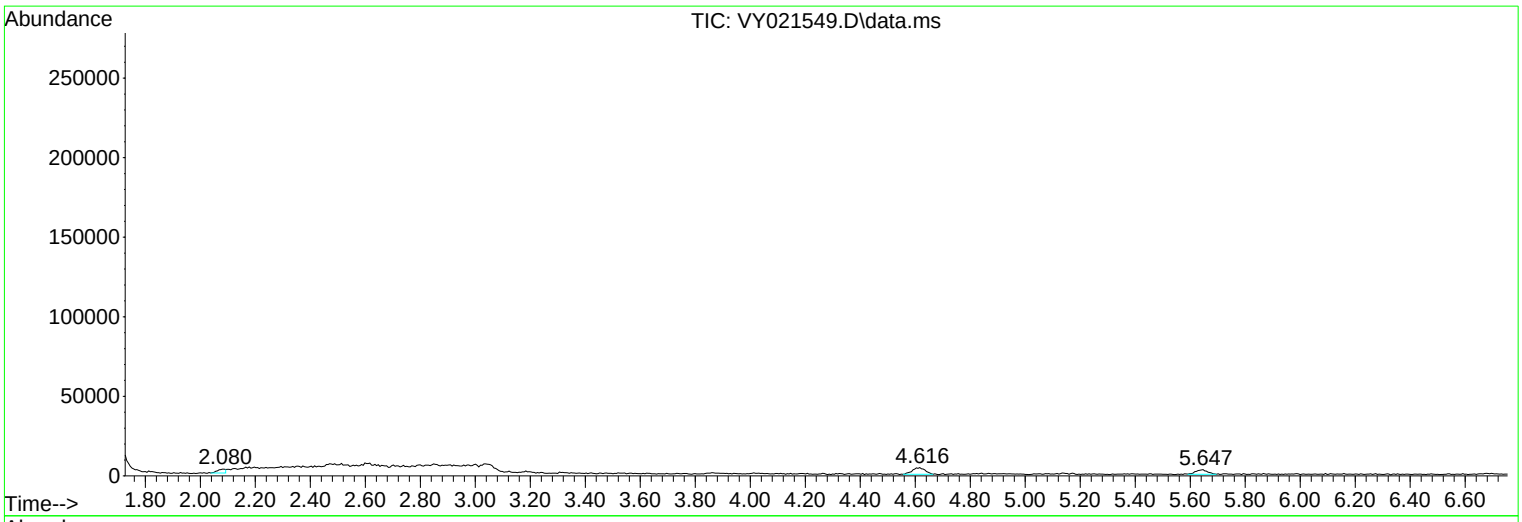
Sample Results: **VY021549.D**

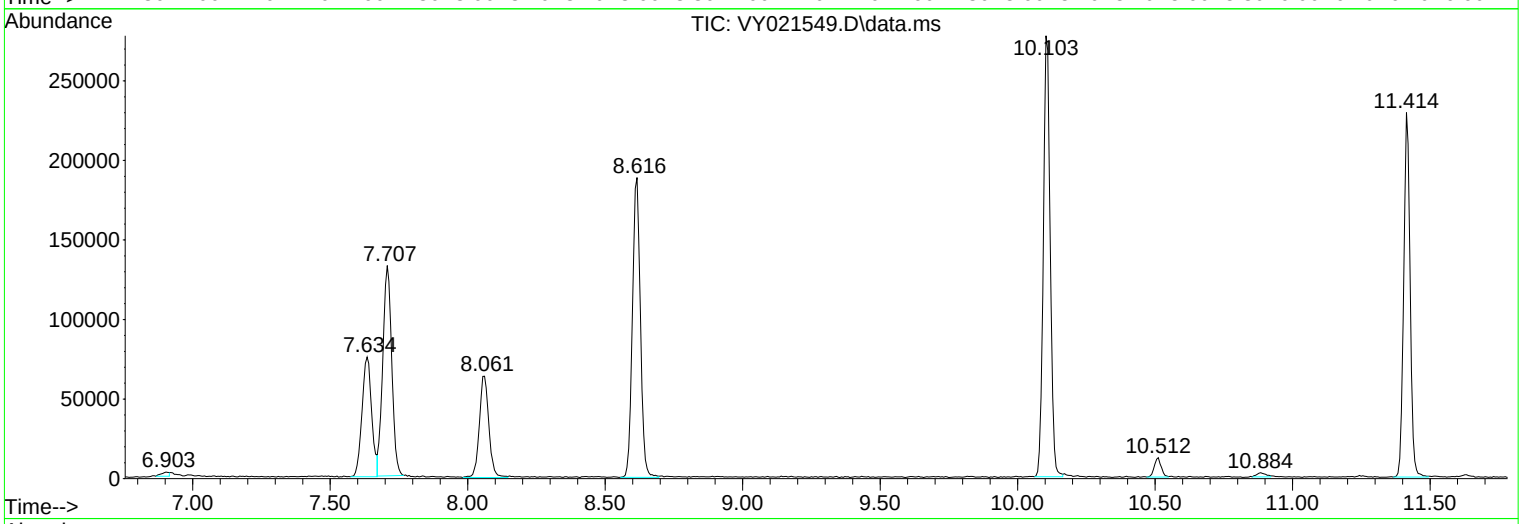
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021549.D
Acq On : 17 Mar 2025 14:26
Operator : SY/MD
Sample : Q1574-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

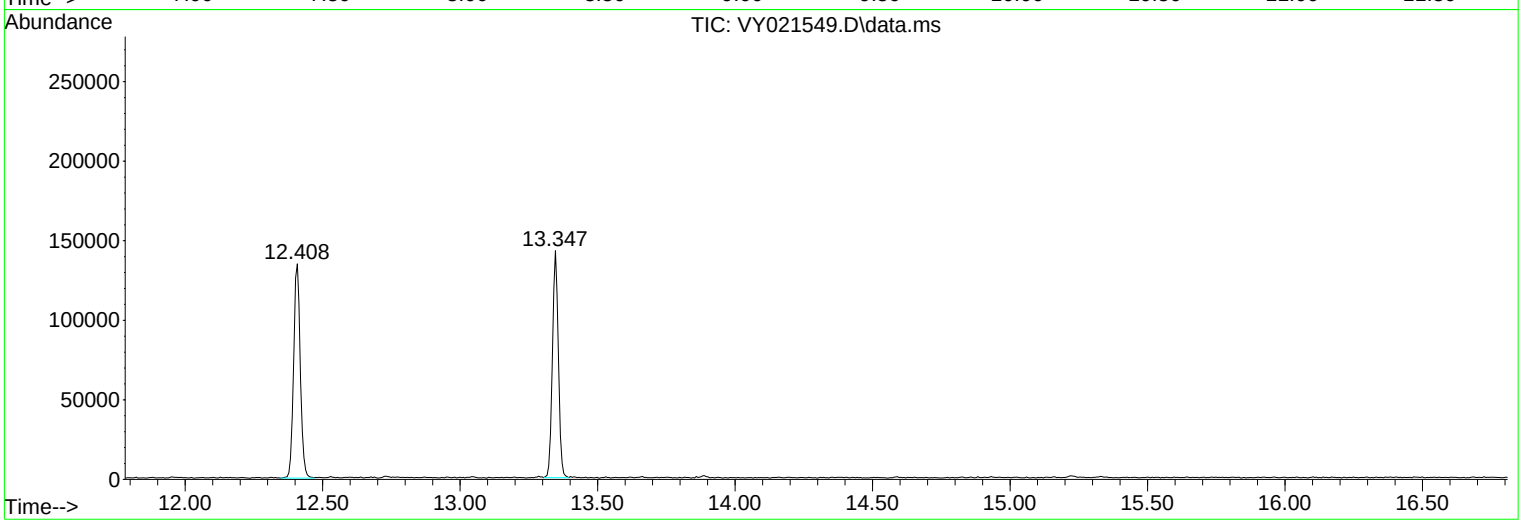
Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021549.D
Acq On : 17 Mar 2025 14:26
Operator : SY/MD
Sample : Q1574-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021549.D
Acq On : 17 Mar 2025 14:26
Operator : SY/MD
Sample : Q1574-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021552.D
Acq On : 17 Mar 2025 15:55
Operator : SY/MD
Sample : Q1574-01RE
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1RE

Quant Time: Mar 18 01:27:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

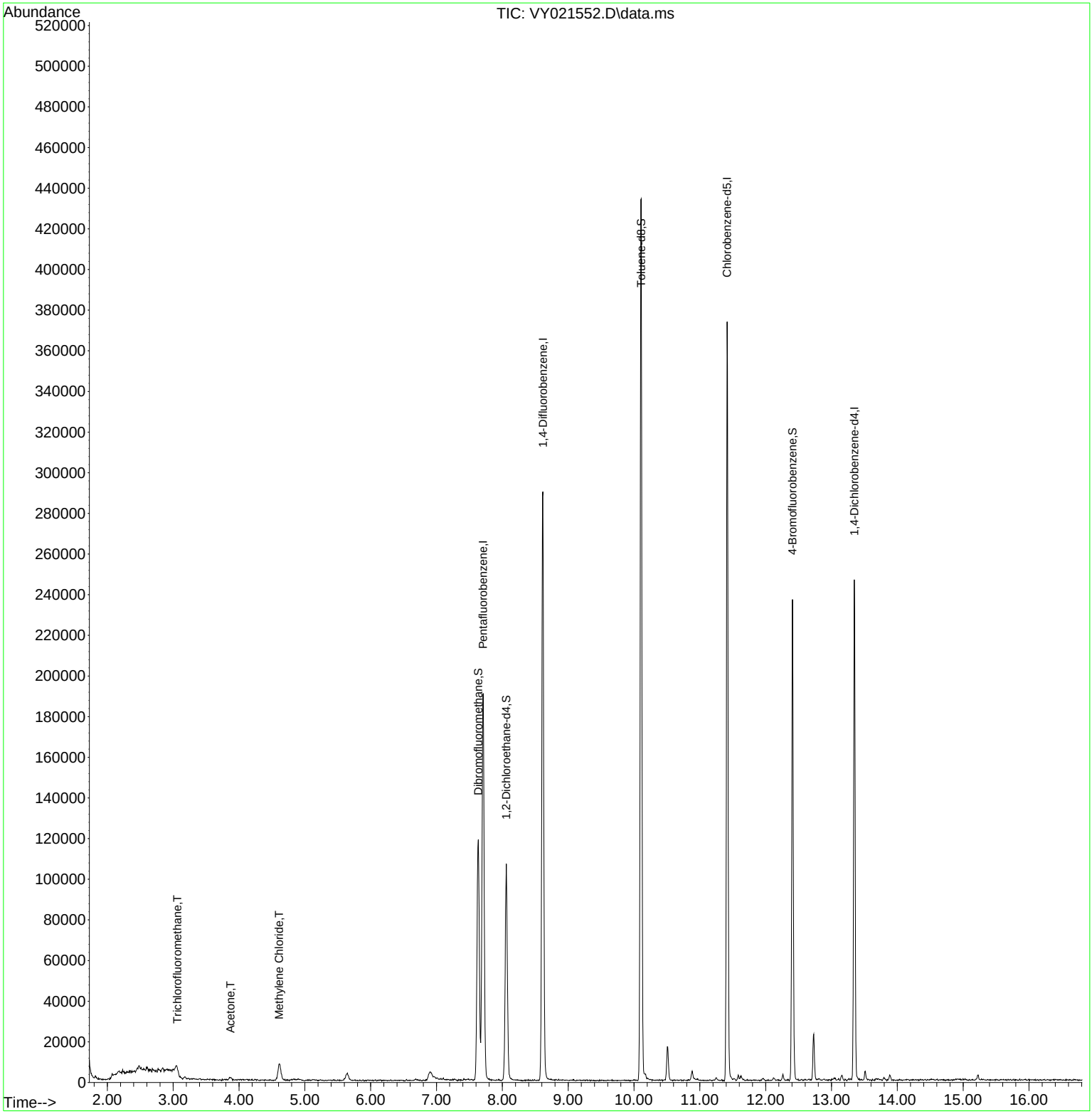
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	140963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	240910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	190816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	59425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	81431	54.656	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.320%			
35) Dibromofluoromethane	7.634	113	85268	53.847	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.700%			
50) Toluene-d8	10.109	98	281376	46.929	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.860%			
62) 4-Bromofluorobenzene	12.408	95	66934	32.819	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 65.640%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.062	101	4547	1.635	ug/l #	81
16) Acetone	3.873	43	2142	6.592	ug/l #	89
20) Methylene Chloride	4.610	84	5855	3.432	ug/l #	91

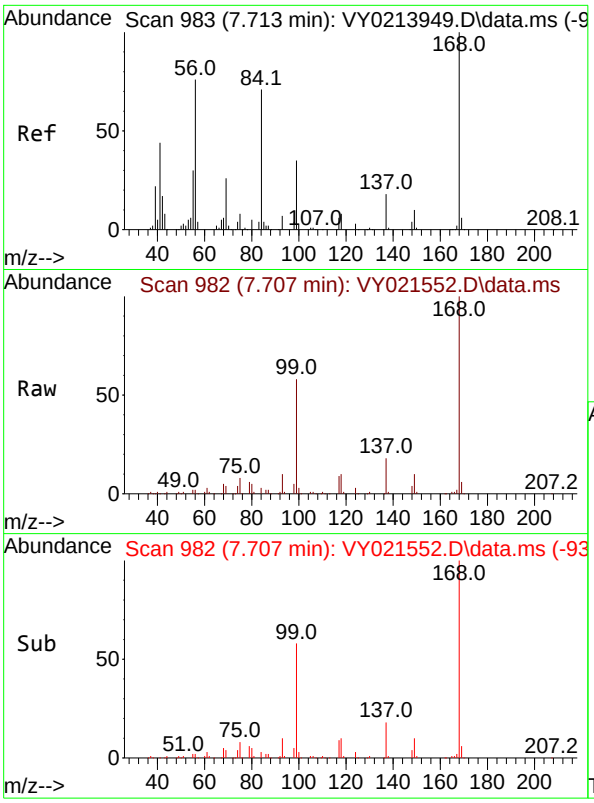
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021552.D
Acq On : 17 Mar 2025 15:55
Operator : SY/MD
Sample : Q1574-01RE
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1RE

Quant Time: Mar 18 01:27:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



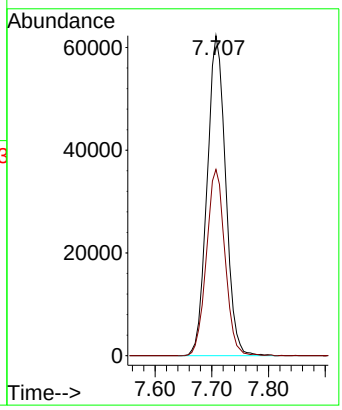


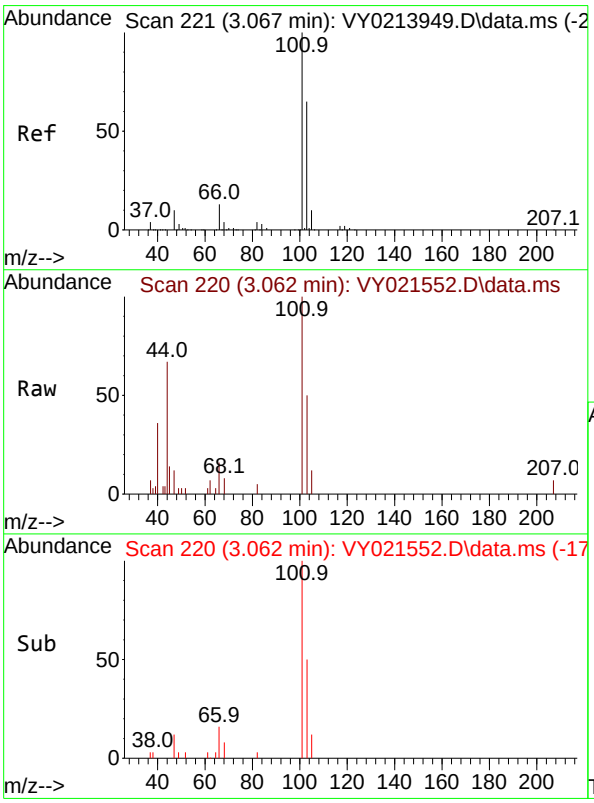
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
WC1RE

Tgt Ion:168 Resp: 140963

Ion	Ratio	Lower	Upper
168	100		
99	58.2	46.0	69.0

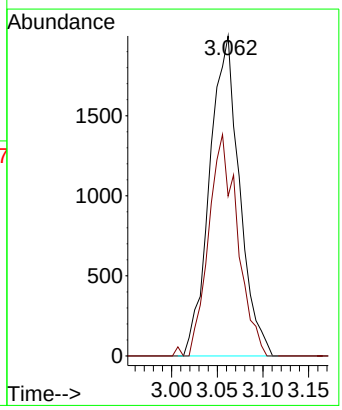


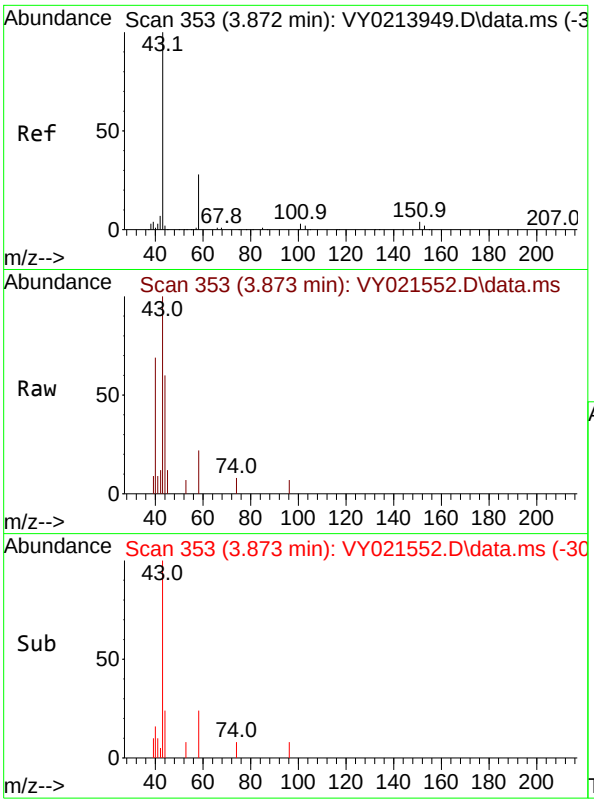


#7
Trichlorofluoromethane
Concen: 1.635 ug/l
RT: 3.062 min Scan# 220
Delta R.T. -0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Tgt Ion:101 Resp: 4547

Ion	Ratio	Lower	Upper
101	100		
103	49.9	51.7	77.5#



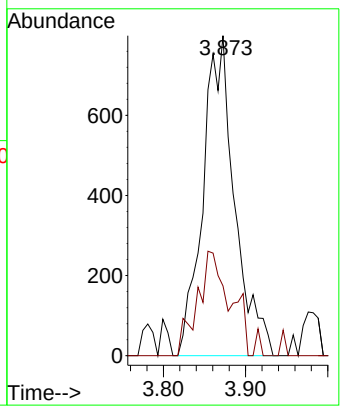


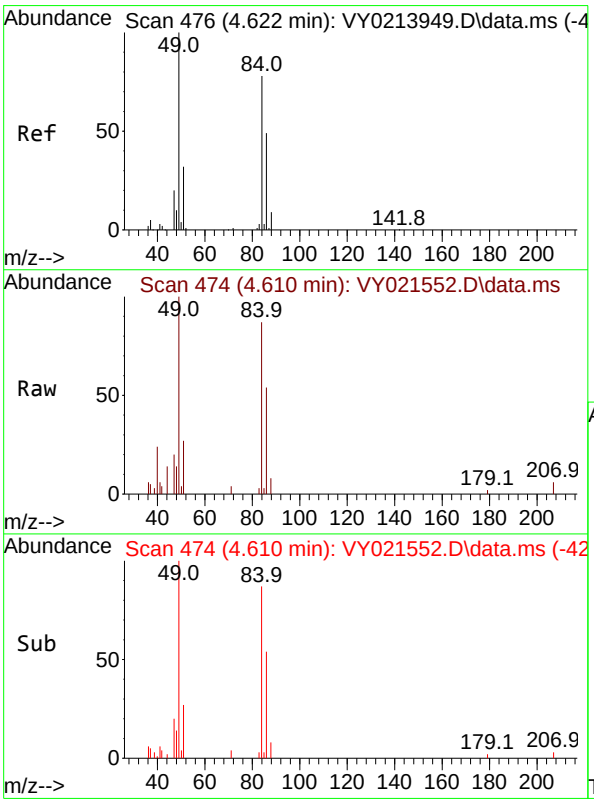
#16
Acetone
Concen: 6.592 ug/l
RT: 3.873 min Scan# 3
Delta R.T. 0.001 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
WC1RE

Tgt Ion: 43 Resp: 2142

Ion	Ratio	Lower	Upper
43	100		
58	21.8	22.1	33.1#

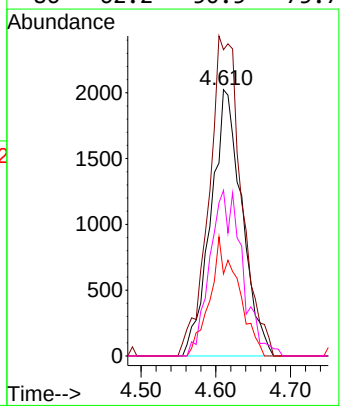


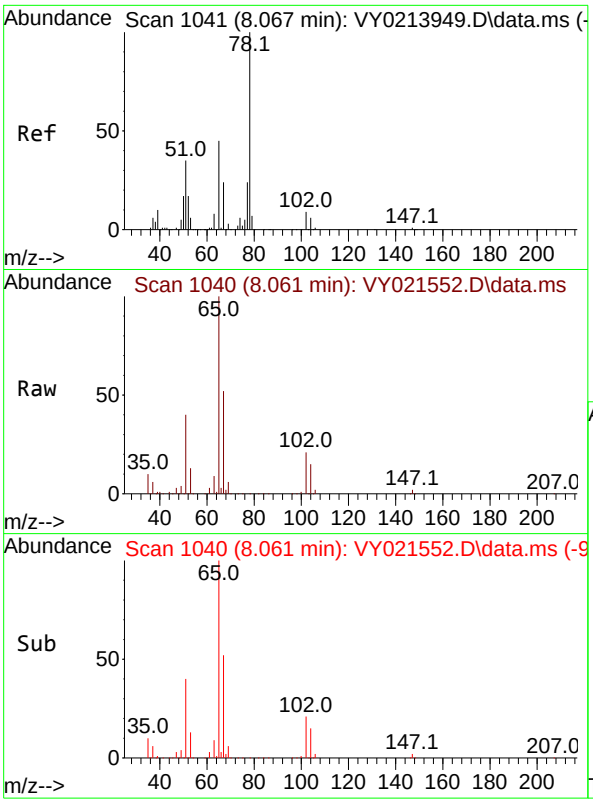


#20
Methylene Chloride
Concen: 3.432 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Tgt Ion: 84 Resp: 5855

Ion	Ratio	Lower	Upper
84	100		
49	115.0	102.0	153.0
51	30.8	33.0	49.6#
86	62.2	50.5	75.7



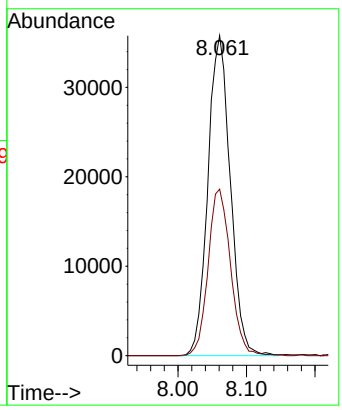


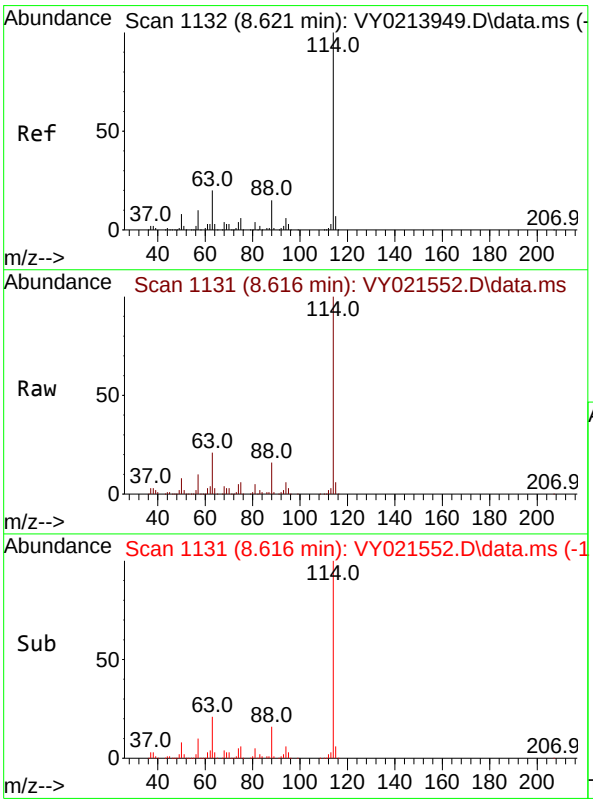
#33
1,2-Dichloroethane-d4
Concen: 54.656 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
WC1RE

Tgt Ion: 65 Resp: 81431

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.8

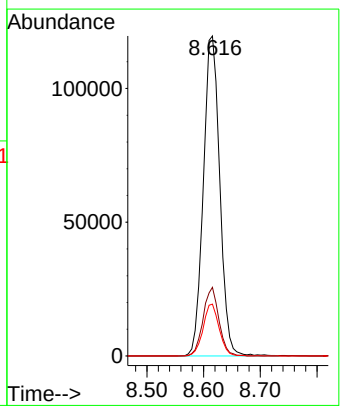


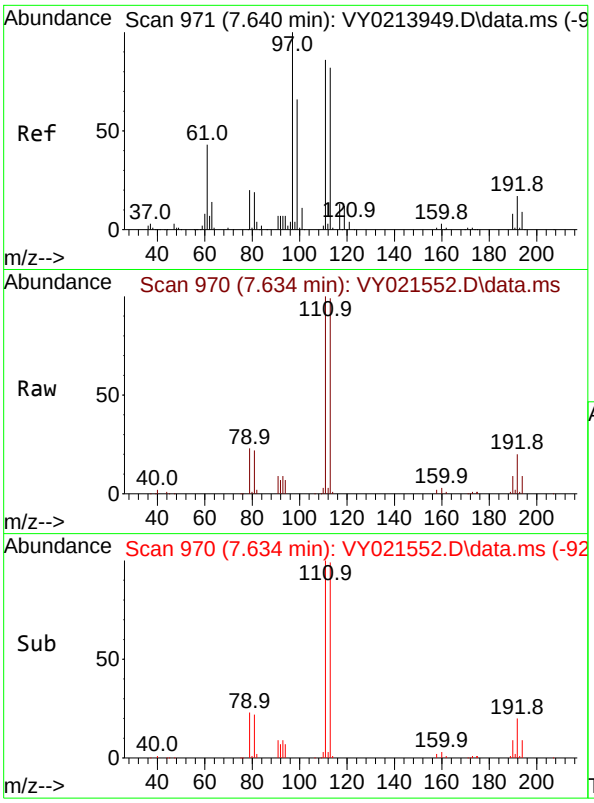


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Tgt Ion:114 Resp: 240910

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	40.8
88	16.2	0.0	30.8



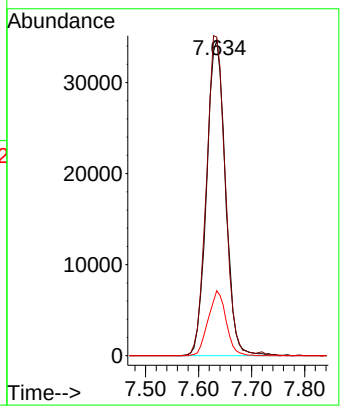


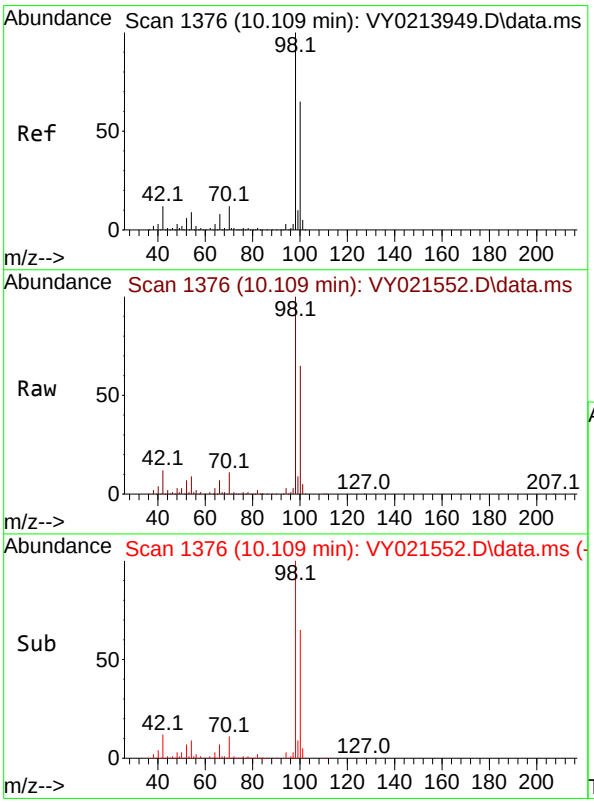
#35
Dibromofluoromethane
Concen: 53.847 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
WC1RE

Tgt Ion:113 Resp: 85268

Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.0	123.0
192	19.6	15.9	23.9

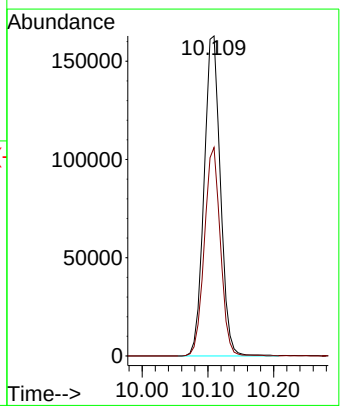


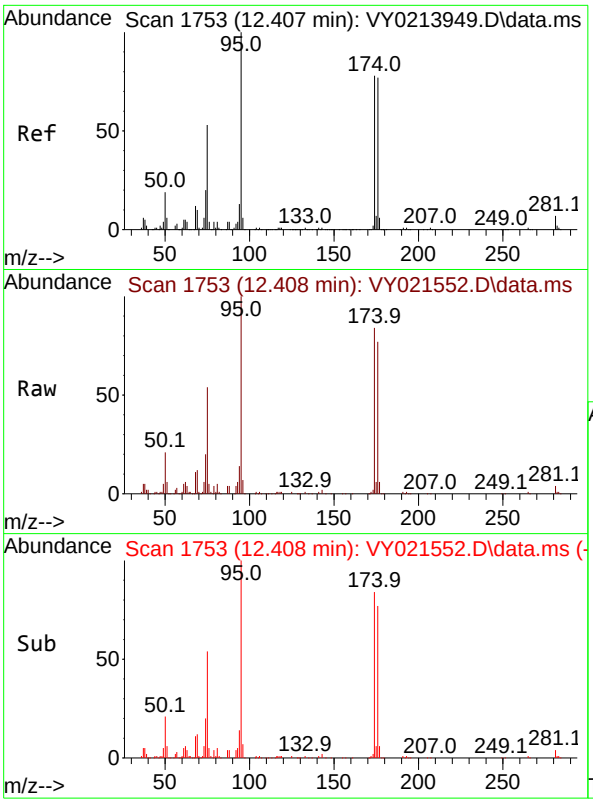


#50
Toluene-d8
Concen: 46.929 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Tgt Ion: 98 Resp: 281376

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.1	78.1



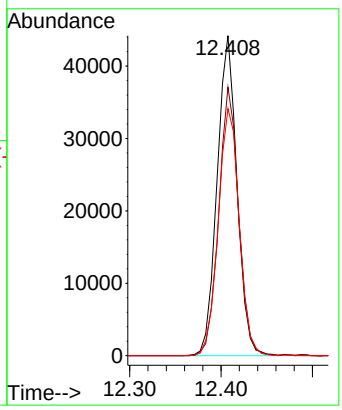


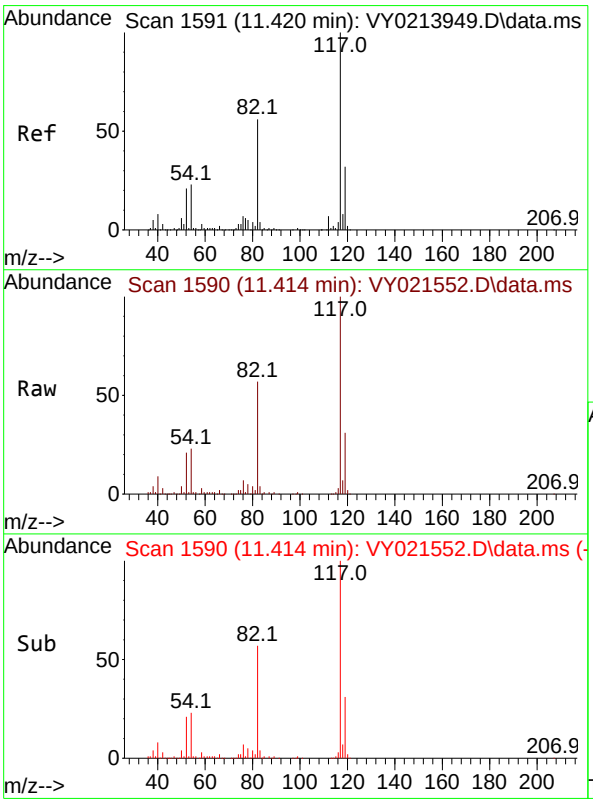
#62
4-Bromofluorobenzene
Concen: 32.819 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
WC1RE

Tgt Ion: 95 Resp: 66934

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	165.0
176	81.2	0.0	160.0

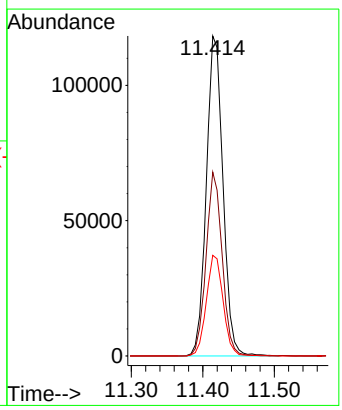


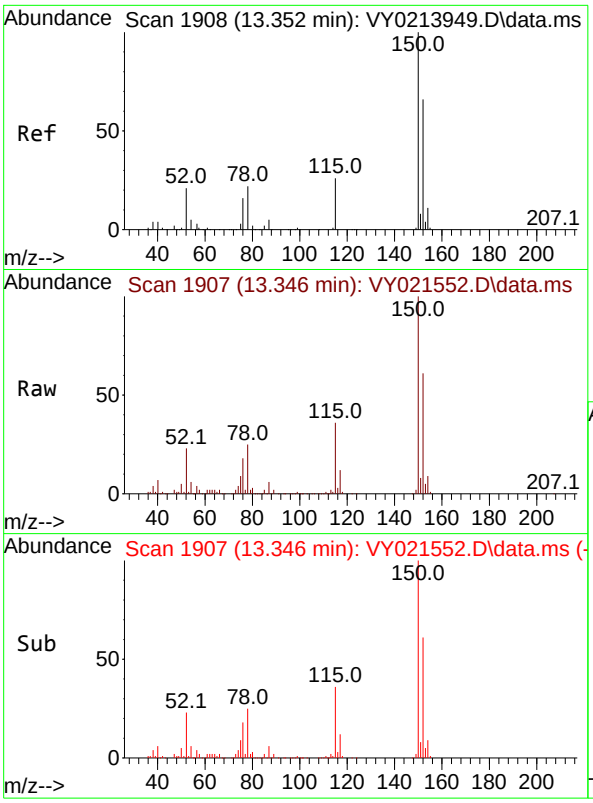


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Tgt Ion:117 Resp: 190816

Ion	Ratio	Lower	Upper
117	100		
82	57.4	44.6	67.0
119	31.5	25.4	38.0



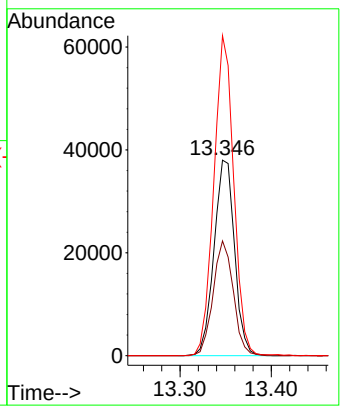


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021552.D
Acq: 17 Mar 2025 15:55

Instrument :
MSVOA_Y
ClientSampleId :
WC1RE

Tgt Ion:152 Resp: 59425

Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.0	87.0
150	158.6	0.0	347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021544.D
Acq On : 17 Mar 2025 10:39
Operator : SY/MD
Sample : VY0317SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBL01

Quant Time: Mar 18 01:26:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	272314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	493002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	420924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	158203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151236	52.545	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.100%			
35) Dibromofluoromethane	7.634	113	162364	50.103	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.200%			
50) Toluene-d8	10.109	98	591441	48.203	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.400%			
62) 4-Bromofluorobenzene	12.408	95	171451	41.079	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.160%			

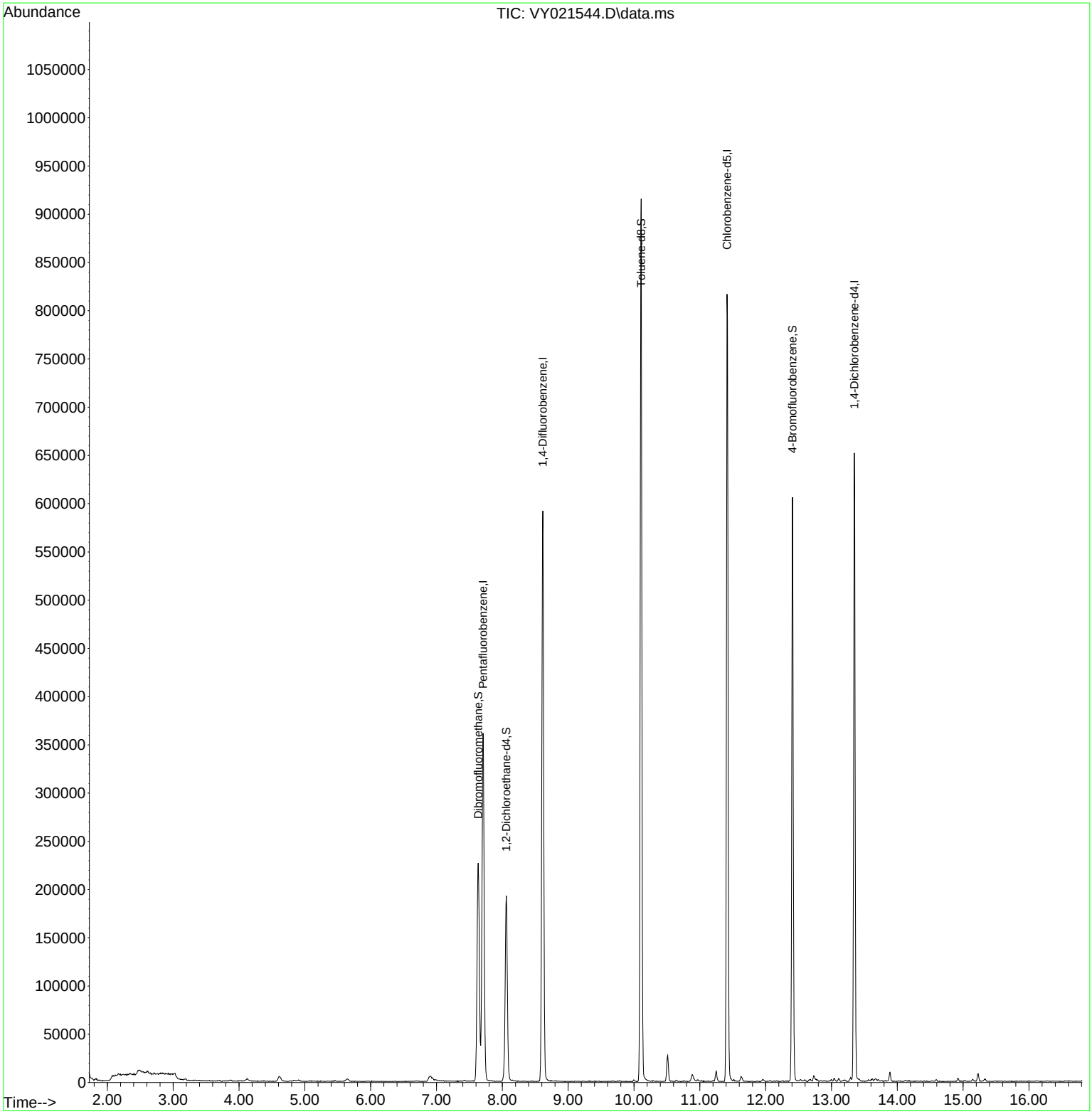
Target Compounds Qvalue

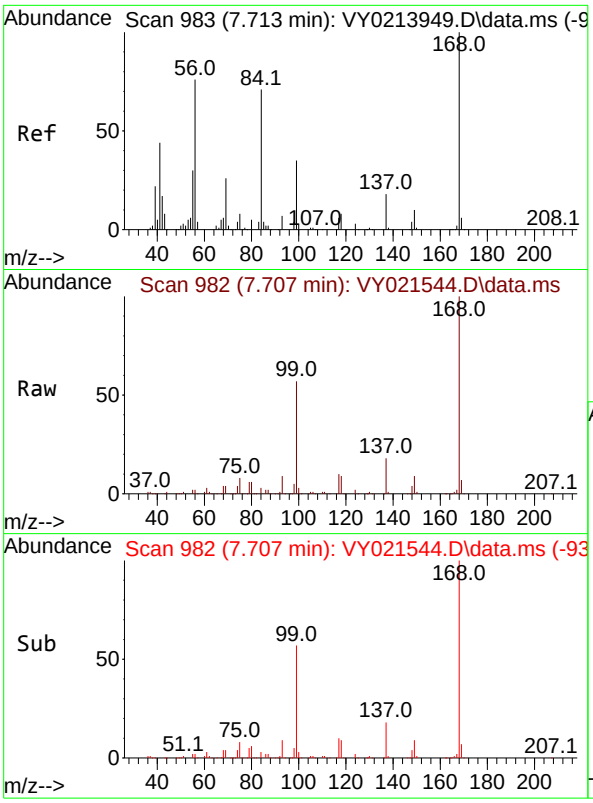
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021544.D
Acq On : 17 Mar 2025 10:39
Operator : SY/MD
Sample : VY0317SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBL01

Quant Time: Mar 18 01:26:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



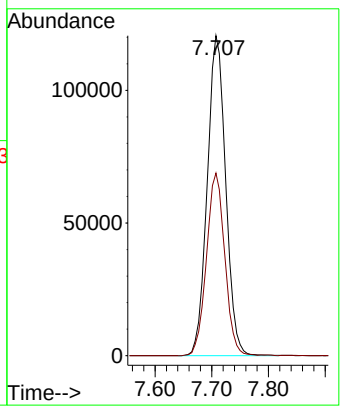


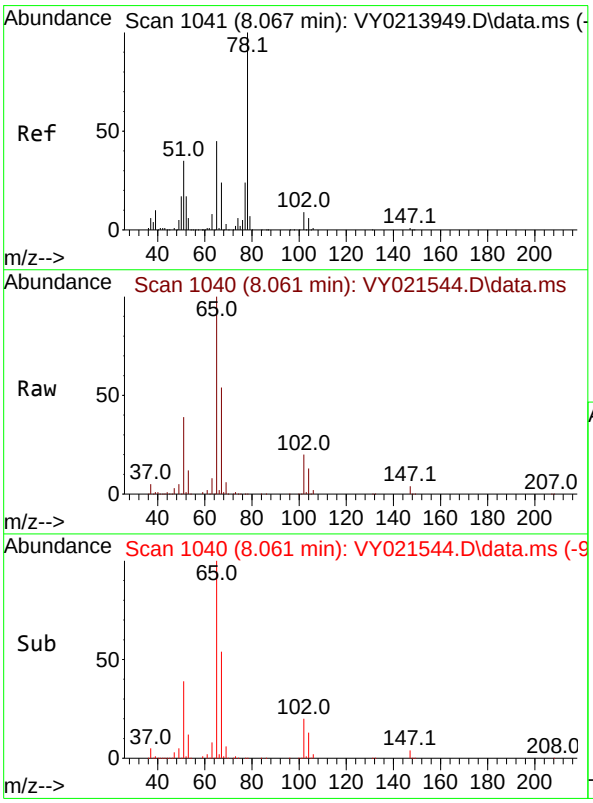
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021544.D
Acq: 17 Mar 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBL01

Tgt Ion:168 Resp: 272314

Ion	Ratio	Lower	Upper
168	100		
99	57.0	46.0	69.0

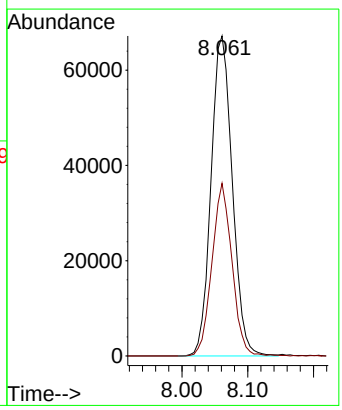


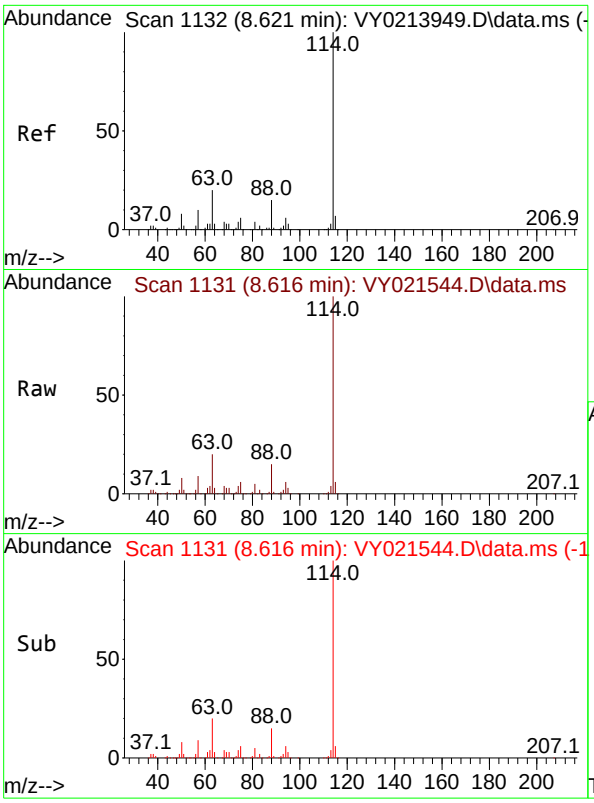


#33
1,2-Dichloroethane-d4
Concen: 52.545 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021544.D
Acq: 17 Mar 2025 10:39

Tgt Ion: 65 Resp: 151236

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	102.8



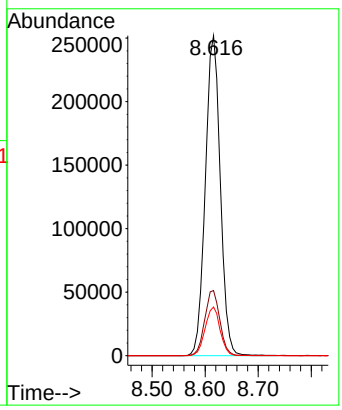


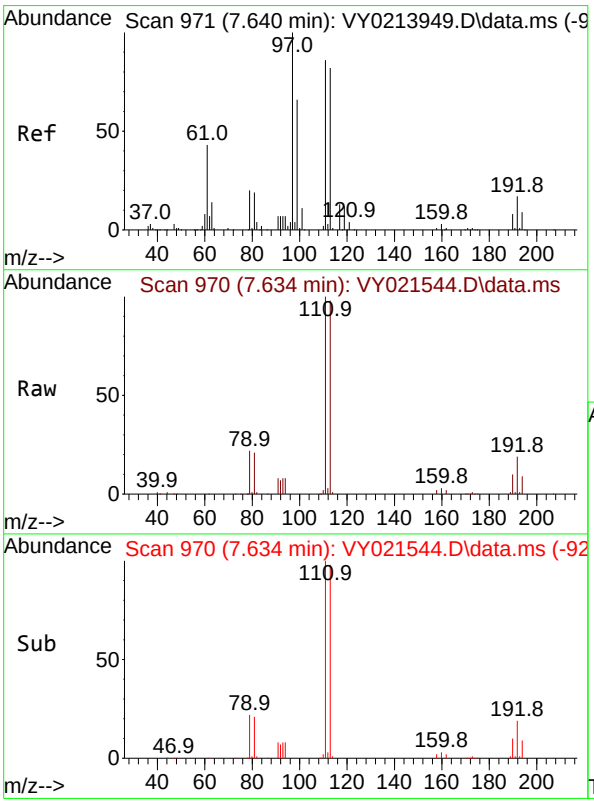
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021544.D
Acq: 17 Mar 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBL01

Tgt Ion:114 Resp: 493002

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	15.2	0.0	30.8

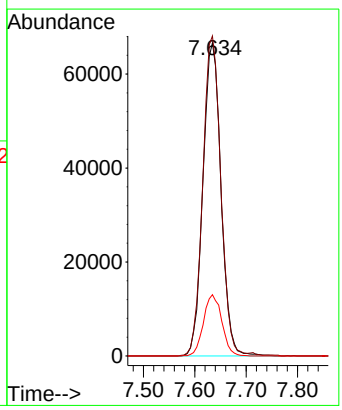




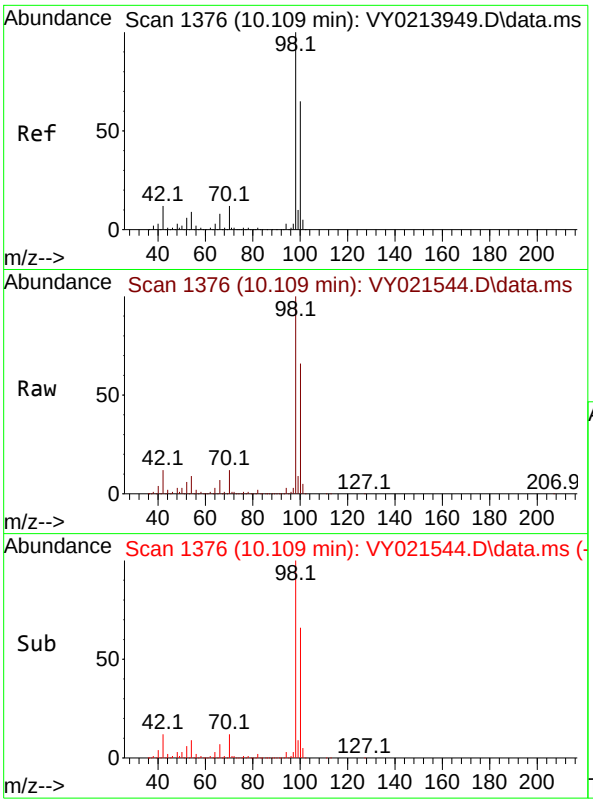
#35
Dibromofluoromethane
Concen: 50.103 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021544.D
Acq: 17 Mar 2025 10:39

Tgt Ion:113 Resp: 162364

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	19.9	15.9	23.9



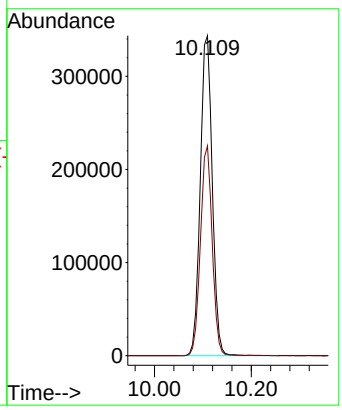
Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBL01

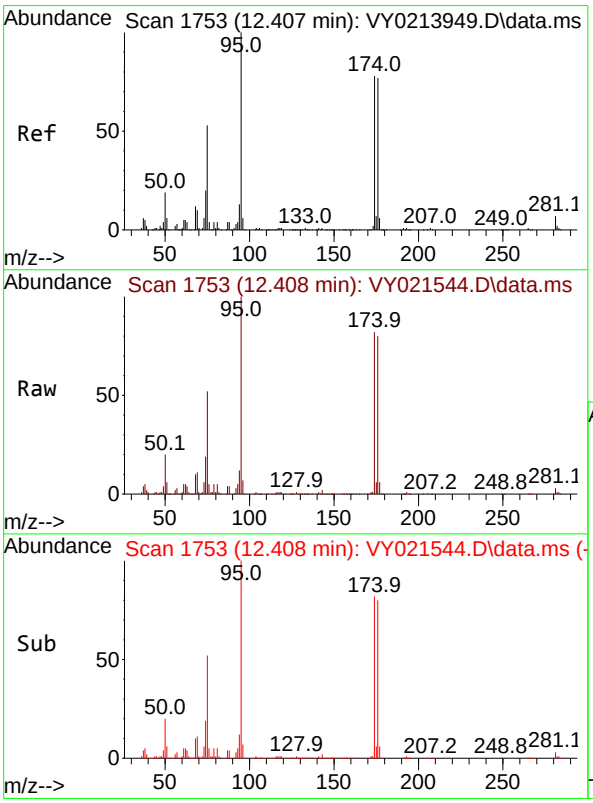


#50
Toluene-d8
Concen: 48.203 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021544.D
Acq: 17 Mar 2025 10:39

Tgt Ion: 98 Resp: 591441

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

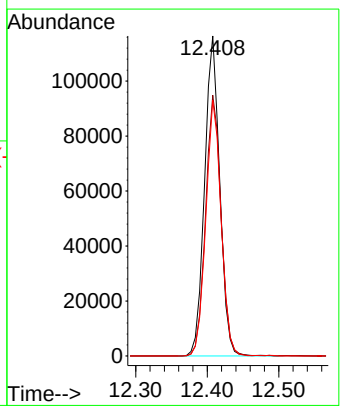


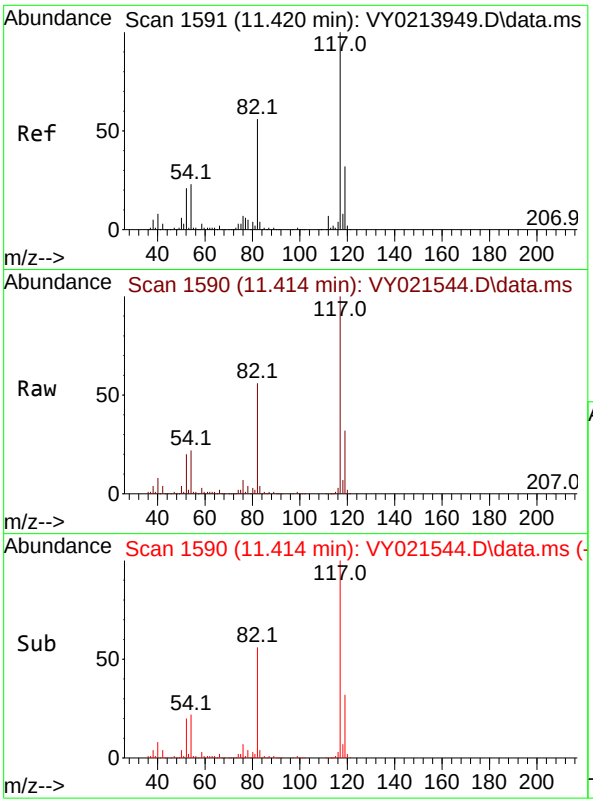


#62
4-Bromofluorobenzene
Concen: 41.079 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021544.D
Acq: 17 Mar 2025 10:39

Tgt Ion: 95 Resp: 171451

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	165.0
176	80.3	0.0	160.0



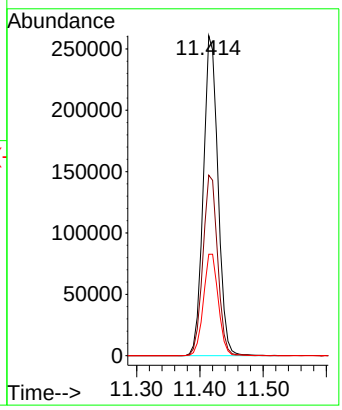


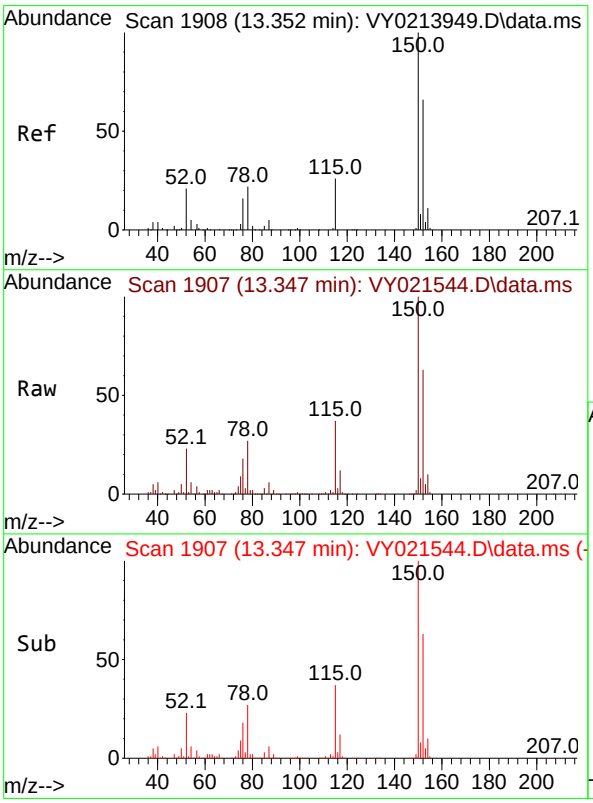
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021544.D
Acq: 17 Mar 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBL01

Tgt Ion:117 Resp: 420924

Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	67.0
119	31.7	25.4	38.0

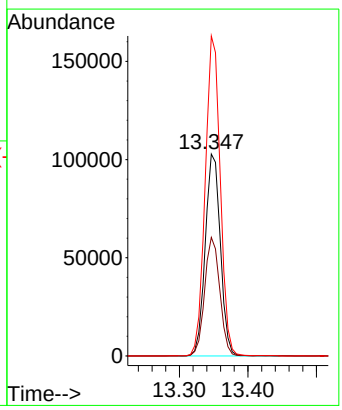




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021544.D
Acq: 17 Mar 2025 10:39

Tgt Ion:152 Resp: 158203

Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.0	87.0
150	157.5	0.0	347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021544.D
Acq On : 17 Mar 2025 10:39
Operator : SY/MD
Sample : VY0317SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021544.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.909	840	851	854	rBV3	5510	16941	1.06%	0.213%
2	7.634	960	970	976	rBV	225948	552926	34.76%	6.961%
3	7.707	976	982	995	rVB	360132	814631	51.20%	10.255%
4	8.061	1029	1040	1052	rBV	192099	449469	28.25%	5.658%
5	8.616	1121	1131	1145	rBV	591476	1168708	73.46%	14.713%
6	10.109	1367	1376	1396	rBV	915093	1590924	100.00%	20.028%
7	10.512	1435	1442	1449	rVB	26716	49257	3.10%	0.620%
8	10.884	1496	1503	1512	rBV3	7083	17666	1.11%	0.222%
9	11.249	1558	1563	1570	rVB3	10795	18480	1.16%	0.233%
10	11.414	1583	1590	1603	rBV	816209	1336405	84.00%	16.824%
11	12.408	1743	1753	1764	rBV	605578	943278	59.29%	11.875%
12	13.347	1901	1907	1918	rBV	649321	984750	61.90%	12.397%

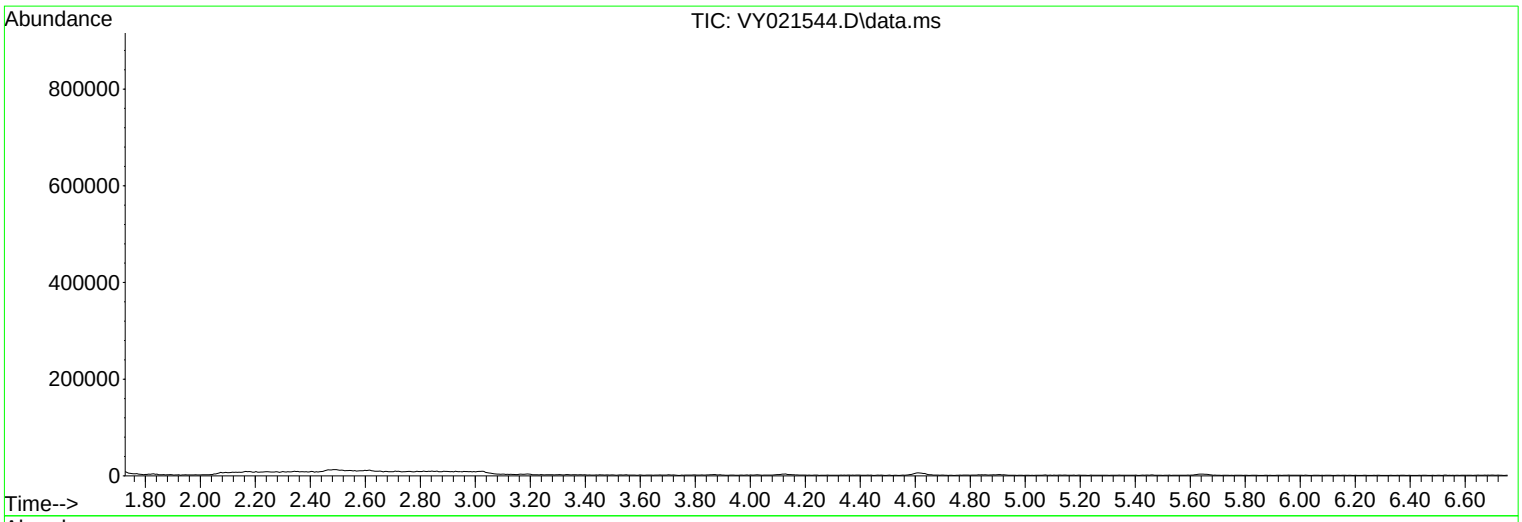
Sum of corrected areas: 7943435

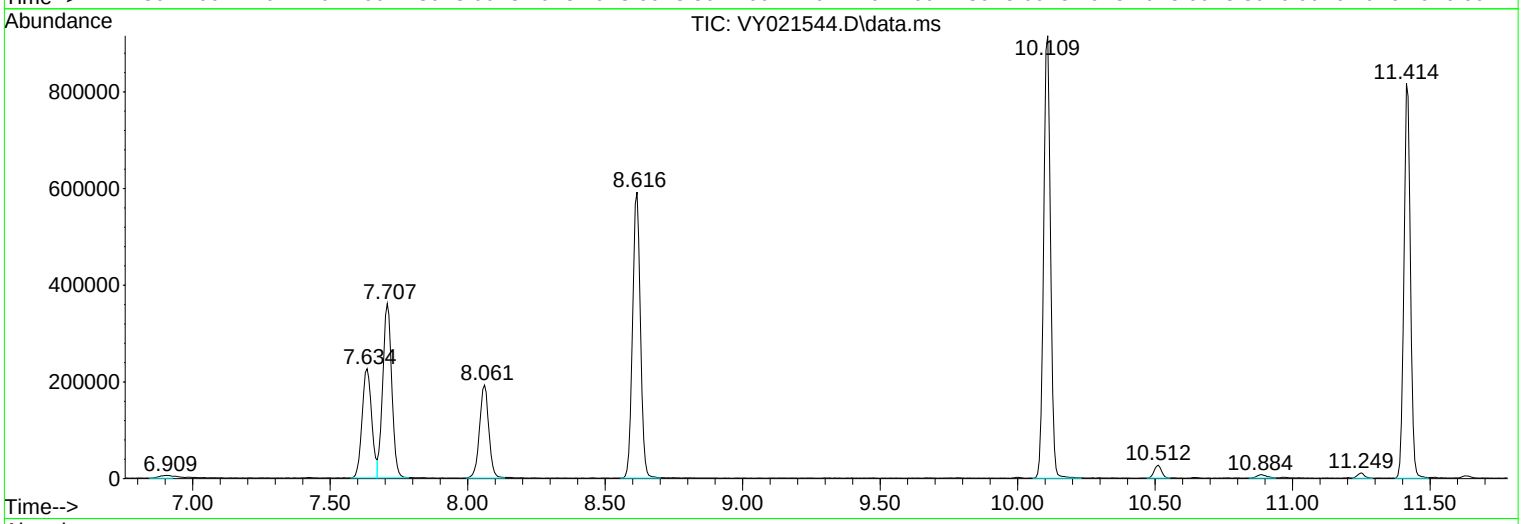
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021544.D
Acq On : 17 Mar 2025 10:39
Operator : SY/MD
Sample : VY0317SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

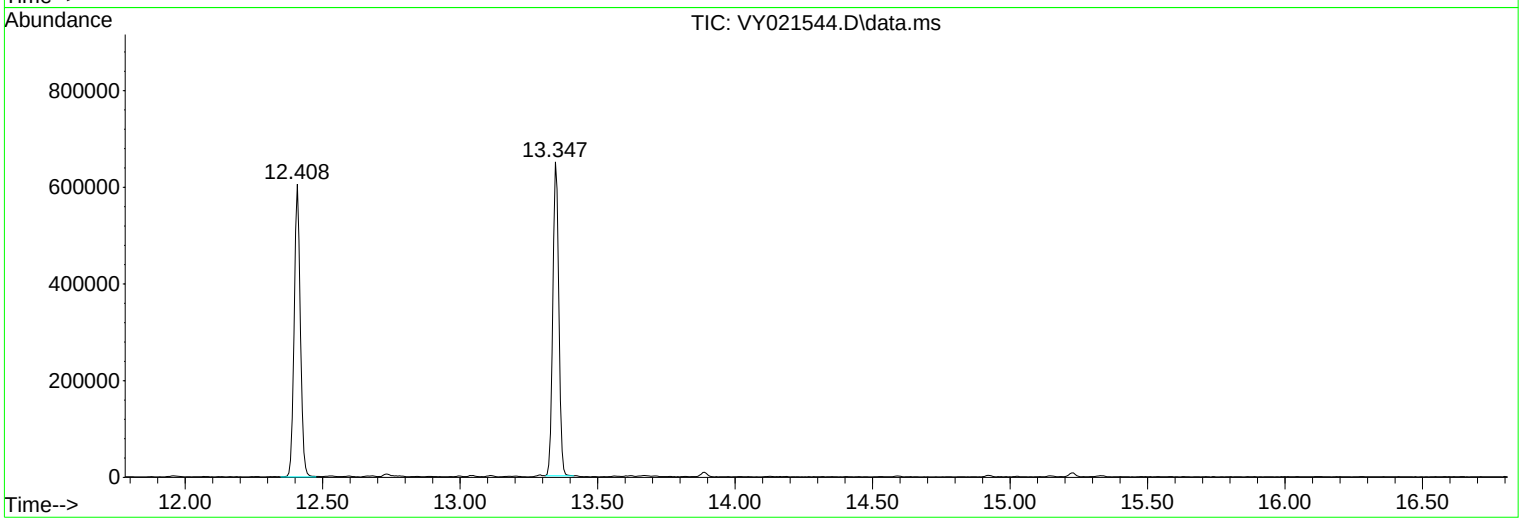
Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021544.D
Acq On : 17 Mar 2025 10:39
Operator : SY/MD
Sample : VY0317SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021544.D
Acq On : 17 Mar 2025 10:39
Operator : SY/MD
Sample : VY0317SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021545.D
Acq On : 17 Mar 2025 12:49
Operator : SY/MD
Sample : VY0317SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 18 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
Supervised By :Semsettin Yesilyurt 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	209203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	320346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114896	51.962	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.920%			
35) Dibromofluoromethane	7.634	113	108339	51.451	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.900%			
50) Toluene-d8	10.109	98	399912	50.160	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.320%			
62) 4-Bromofluorobenzene	12.408	95	137449	50.682	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	37082	19.316	ug/l	98
3) Chloromethane	2.068	50	53477	19.758	ug/l	100
4) Vinyl Chloride	2.202	62	62796	21.231	ug/l	98
5) Bromomethane	2.586	94	43503	20.350	ug/l	97
6) Chloroethane	2.733	64	45193	23.121	ug/l	98
7) Trichlorofluoromethane	3.056	101	100773	24.409	ug/l	98
8) Diethyl Ether	3.452	74	27395	23.944	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	50420	21.391	ug/l	99
10) Methyl Iodide	4.001	142	49997	20.867	ug/l	100
11) Tert butyl alcohol	4.848	59	22139	144.485	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	44961	20.922	ug/l	94
13) Acrolein	3.653	56	15875	141.152	ug/l	93
14) Allyl chloride	4.379	41	71393	20.558	ug/l	99
15) Acrylonitrile	5.055	53	56534	116.078	ug/l	96
16) Acetone	3.866	43	80850	167.644	ug/l	92
17) Carbon Disulfide	4.104	76	126355	18.762	ug/l	98
18) Methyl Acetate	4.385	43	24489	22.885	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	117760	21.620	ug/l	96
20) Methylene Chloride	4.616	84	53421	21.102	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	47977	19.935	ug/l	97
22) Diisopropyl ether	6.019	45	158451	21.171	ug/l	97
23) Vinyl Acetate	5.958	43	459261	107.522	ug/l	100
24) 1,1-Dichloroethane	5.915	63	91270	20.662	ug/l	97
25) 2-Butanone	6.890	43	92278	138.321	ug/l	100
26) 2,2-Dichloropropane	6.884	77	84157	20.706	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56414	20.634	ug/l	99
28) Bromochloromethane	7.244	49	38379	20.724	ug/l	99
29) Tetrahydrofuran	7.256	42	47999	116.545	ug/l	99
30) Chloroform	7.421	83	97771	21.316	ug/l	96
31) Cyclohexane	7.701	56	78880	19.048	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	87249	20.774	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67987	20.627	ug/l	99
37) Ethyl Acetate	6.982	43	33708	23.138	ug/l	98
38) Carbon Tetrachloride	7.817	117	78935	20.823	ug/l	98
39) Methylcyclohexane	9.109	83	78157	19.331	ug/l	97
40) Benzene	8.079	78	203296	20.938	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021545.D
Acq On : 17 Mar 2025 12:49
Operator : SY/MD
Sample : VY0317SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 18 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
Supervised By :Semsettin Yesilyurt 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16991	21.420	ug/l #	92
42) 1,2-Dichloroethane	8.158	62	59580	21.935	ug/l	100
43) Isopropyl Acetate	8.195	43	62162	21.981	ug/l	98
44) Trichloroethene	8.866	130	51285	20.902	ug/l	99
45) 1,2-Dichloropropane	9.140	63	48890	21.157	ug/l	94
46) Dibromomethane	9.231	93	28568	22.218	ug/l	97
47) Bromodichloromethane	9.420	83	72821	21.326	ug/l	98
48) Methyl methacrylate	9.219	41	27932	21.509	ug/l	95
49) 1,4-Dioxane	9.231	88	6499	514.962	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	170370	116.758	ug/l	98
52) Toluene	10.170	92	126742	20.705	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	64374	21.398	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	76790	21.500	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	37559	22.331	ug/l	97
56) Ethyl methacrylate	10.438	69	46681	21.762	ug/l	99
57) 1,3-Dichloropropane	10.719	76	63718	21.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	115671	116.815	ug/l	99
59) 2-Hexanone	10.762	43	128877	133.573	ug/l	98
60) Dibromochloromethane	10.914	129	50969	22.105	ug/l	97
61) 1,2-Dibromoethane	11.018	107	34040	21.444	ug/l	98
64) Tetrachloroethene	10.646	164	56528	24.444	ug/l	95
65) Chlorobenzene	11.444	112	138094	20.562	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	49463	20.832	ug/l	98
67) Ethyl Benzene	11.518	91	236170	20.035	ug/l	100
68) m/p-Xylenes	11.627	106	182629	40.809	ug/l	100
69) o-Xylene	11.957	106	82830	20.082	ug/l	96
70) Styrene	11.969	104	140028	20.465	ug/l	99
71) Bromoform	12.133	173	29832	22.476	ug/l #	99
73) Isopropylbenzene	12.255	105	229585	19.924	ug/l	99
74) N-amyl acetate	12.072	43	52463	20.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	42965	21.129	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	27346m	18.551	ug/l	
77) Bromobenzene	12.536	156	54044	20.047	ug/l	100
78) n-propylbenzene	12.597	91	278424	19.895	ug/l	100
79) 2-Chlorotoluene	12.682	91	158371	19.791	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	189235	20.208	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	13093	20.192	ug/l	98
82) 4-Chlorotoluene	12.780	91	166075	20.042	ug/l	100
83) tert-Butylbenzene	12.999	119	165804	19.848	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	187285	20.143	ug/l	99
85) sec-Butylbenzene	13.176	105	249213	20.050	ug/l	99
86) p-Isopropyltoluene	13.292	119	207009	20.216	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	107290	19.994	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	107122	20.412	ug/l	99
89) n-Butylbenzene	13.621	91	188538	19.939	ug/l	100
90) Hexachloroethane	13.883	117	43899	20.096	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	96554	20.993	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6381	20.949	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	50586	20.137	ug/l	97
94) Hexachlorobutadiene	15.029	225	33597	21.335	ug/l	98
95) Naphthalene	15.145	128	80499	20.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	43848	20.753	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021545.D
Acq On : 17 Mar 2025 12:49
Operator : SY/MD
Sample : VY0317SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 18 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
Supervised By :Semsettin Yesilyurt 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

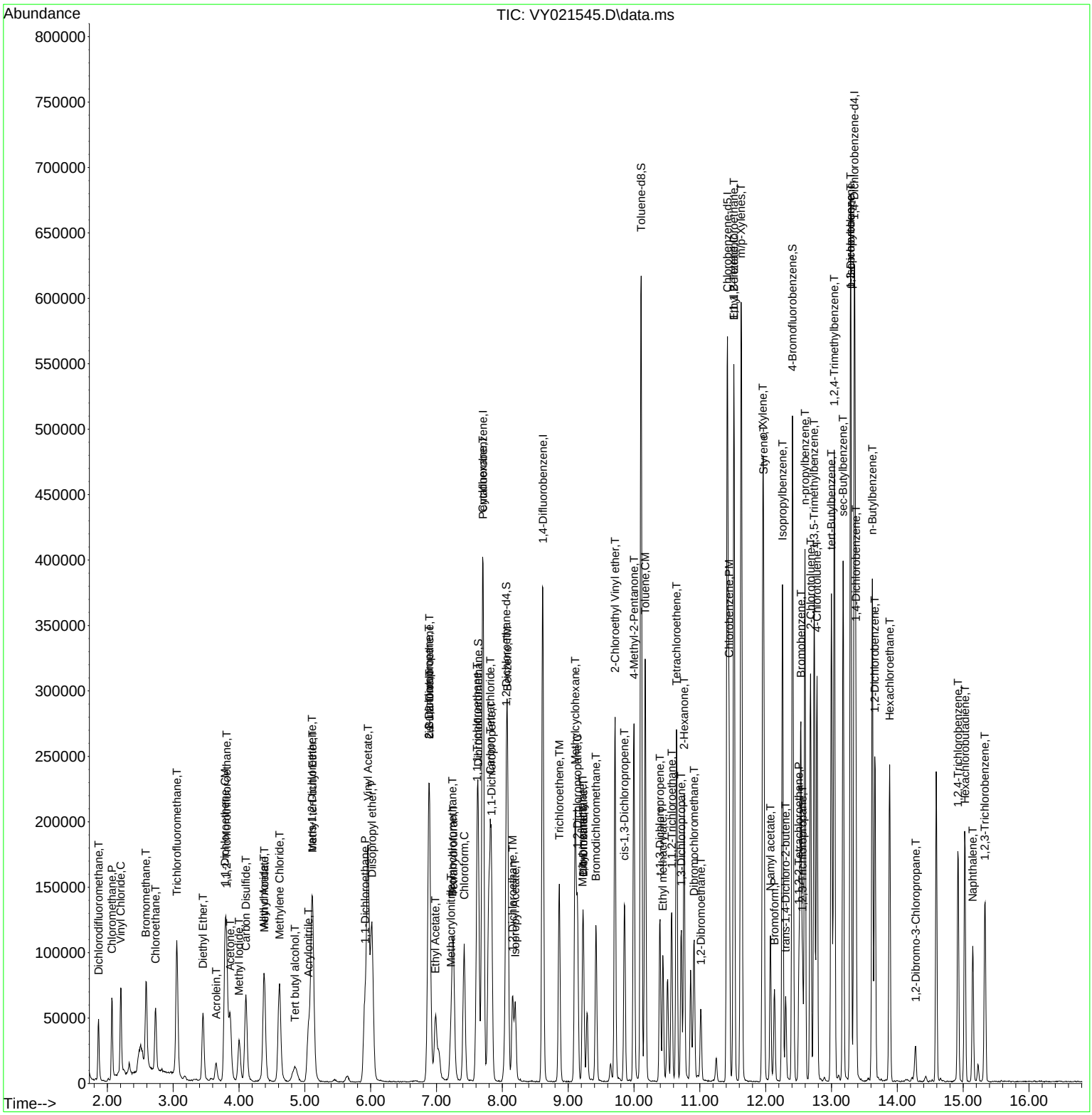
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021545.D
Acq On : 17 Mar 2025 12:49
Operator : SY/MD
Sample : VY0317SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 18 01:26:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
Supervised By :Semsettin Yesilyurt 03/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021546.D
Acq On : 17 Mar 2025 13:12
Operator : SY/MD
Sample : VY0317SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 18 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
Supervised By :Semsettin Yesilyurt 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	338794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	299964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119661	51.484	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.960%			
35) Dibromofluoromethane	7.634	113	113056	50.767	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.540%			
50) Toluene-d8	10.103	98	423789	50.260	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.520%			
62) 4-Bromofluorobenzene	12.408	95	144304	50.312	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	32776	16.242	ug/l	96
3) Chloromethane	2.068	50	48277	16.969	ug/l	96
4) Vinyl Chloride	2.202	62	56684	18.232	ug/l	97
5) Bromomethane	2.586	94	39983	17.793	ug/l	95
6) Chloroethane	2.732	64	37764	18.380	ug/l	96
7) Trichlorofluoromethane	3.056	101	77327	17.819	ug/l	100
8) Diethyl Ether	3.452	74	21452	17.838	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	44271	17.868	ug/l	99
10) Methyl Iodide	4.001	142	44913	17.833	ug/l	98
11) Tert butyl alcohol	4.848	59	18906	112.736	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	38423	17.010	ug/l	97
13) Acrolein	3.653	56	12750	107.850	ug/l	88
14) Allyl chloride	4.379	41	62873	17.223	ug/l	100
15) Acrylonitrile	5.055	53	48687	95.102	ug/l	100
16) Acetone	3.866	43	60240	118.831	ug/l	97
17) Carbon Disulfide	4.104	76	110858	15.660	ug/l	100
18) Methyl Acetate	4.385	43	22532	20.032	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	102683	17.935	ug/l	99
20) Methylene Chloride	4.610	84	48160	18.098	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	43723	17.284	ug/l	90
22) Diisopropyl ether	6.018	45	141879	18.035	ug/l	99
23) Vinyl Acetate	5.958	43	406268	90.487	ug/l	100
24) 1,1-Dichloroethane	5.909	63	84110	18.115	ug/l	99
25) 2-Butanone	6.896	43	73617	104.980	ug/l	97
26) 2,2-Dichloropropane	6.884	77	74511	17.441	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	50556	17.592	ug/l	99
28) Bromochloromethane	7.244	49	38964	20.017	ug/l	99
29) Tetrahydrofuran	7.262	42	40955	94.603	ug/l	99
30) Chloroform	7.421	83	87417	18.131	ug/l	100
31) Cyclohexane	7.701	56	68851	15.817	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	77460	17.546	ug/l	100
36) 1,1-Dichloropropene	7.835	75	58932	16.906	ug/l	99
37) Ethyl Acetate	6.988	43	29067	18.866	ug/l	99
38) Carbon Tetrachloride	7.817	117	70130	17.493	ug/l	97
39) Methylcyclohexane	9.109	83	68897	16.113	ug/l	95
40) Benzene	8.079	78	180505	17.578	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021546.D
Acq On : 17 Mar 2025 13:12
Operator : SY/MD
Sample : VY0317SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 18 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
Supervised By :Semsettin Yesilyurt 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	15342	18.288	ug/l	#	91
42) 1,2-Dichloroethane	8.158	62	52817	18.386	ug/l		100
43) Isopropyl Acetate	8.195	43	56333	18.835	ug/l	#	89
44) Trichloroethene	8.866	130	46598	17.958	ug/l		98
45) 1,2-Dichloropropane	9.140	63	43905	17.965	ug/l		98
46) Dibromomethane	9.231	93	25495	18.749	ug/l		98
47) Bromodichloromethane	9.420	83	66316	18.364	ug/l		99
48) Methyl methacrylate	9.219	41	25101	18.276	ug/l		99
49) 1,4-Dioxane	9.225	88	5377	402.858	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	147807	95.779	ug/l		98
52) Toluene	10.170	92	112662	17.402	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	58681	18.444	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	68654	18.175	ug/l		99
55) 1,1,2-Trichloroethane	10.573	97	34138	19.192	ug/l		95
56) Ethyl methacrylate	10.438	69	41358	18.231	ug/l		98
57) 1,3-Dichloropropane	10.713	76	58475	18.967	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	109668	104.722	ug/l		99
59) 2-Hexanone	10.762	43	104581	102.489	ug/l		98
60) Dibromochloromethane	10.914	129	45717	18.747	ug/l		99
61) 1,2-Dibromoethane	11.018	107	30558	18.202	ug/l		99
64) Tetrachloroethene	10.646	164	50211	20.585	ug/l		96
65) Chlorobenzene	11.444	112	126601	17.873	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.518	131	44474	17.759	ug/l		98
67) Ethyl Benzene	11.518	91	213408	17.165	ug/l		99
68) m/p-Xylenes	11.627	106	163262	34.588	ug/l		99
69) o-Xylene	11.956	106	75909	17.449	ug/l		100
70) Styrene	11.969	104	126980	17.595	ug/l		99
71) Bromoform	12.133	173	26283	18.774	ug/l	#	100
73) Isopropylbenzene	12.255	105	204413	16.660	ug/l		99
74) N-amyl acetate	12.072	43	46299	17.376	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	37964	17.534	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	28030m	17.859	ug/l		
77) Bromobenzene	12.530	156	49501	17.245	ug/l		100
78) n-propylbenzene	12.597	91	248018	16.645	ug/l		99
79) 2-Chlorotoluene	12.682	91	141192	16.572	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	168556	16.905	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11299	16.366	ug/l		98
82) 4-Chlorotoluene	12.779	91	152135	17.243	ug/l		100
83) tert-Butylbenzene	12.999	119	149468	16.804	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	169665	17.138	ug/l		98
85) sec-Butylbenzene	13.176	105	219555	16.590	ug/l		99
86) p-Isopropyltoluene	13.292	119	184520	16.924	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	97835	17.123	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	97134	17.383	ug/l		99
89) n-Butylbenzene	13.615	91	168493	16.736	ug/l		99
90) Hexachloroethane	13.877	117	39160	16.836	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	86355	17.634	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5870	18.099	ug/l		100
93) 1,2,4-Trichlorobenzene	14.919	180	45729	17.096	ug/l		96
94) Hexachlorobutadiene	15.023	225	29255	17.448	ug/l		98
95) Naphthalene	15.145	128	74445	18.488	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	39971	17.768	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
Data File : VY021546.D
Acq On : 17 Mar 2025 13:12
Operator : SY/MD
Sample : VY0317SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 18 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
Supervised By :Semsettin Yesilyurt 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

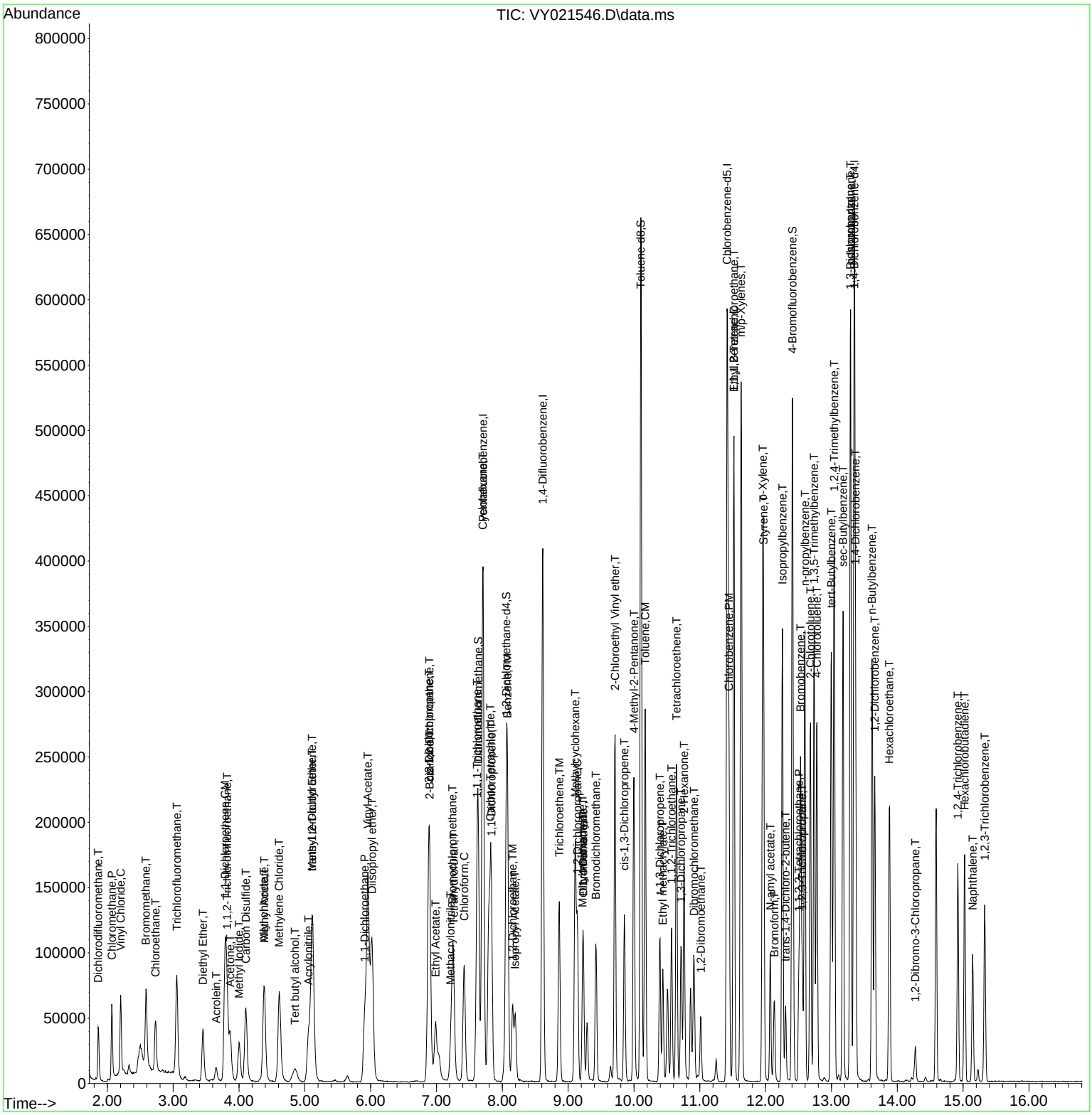
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Data File : VY021546.D
Acq On : 17 Mar 2025 13:12
Operator : SY/MD
Sample : VY0317SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 18 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0317SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
Supervised By :Semsettin Yesilyurt 03/18/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY021397.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Tert butyl alcohol	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICCC050	VY021399.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:35 PM	SAM	3/6/2025 3:00:06 PM	Peak Integrated by Software
VSTDICC100	VY021400.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:49 PM	SAM	3/6/2025 3:00:09 PM	Peak Integrated by Software
VSTDICC150	VY021401.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:42 PM	SAM	3/6/2025 3:00:14 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	vy031725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021543.D	1,2,3-Trichloropropane	MMDadoda	3/18/2025 1:55:58 PM	SAM	3/18/2025 1:57:56 PM	Peak Integrated by Software
VY0317SBS01	VY021545.D	1,2,3-Trichloropropane	MMDadoda	3/18/2025 1:55:59 PM	SAM	3/18/2025 1:57:56 PM	Peak Integrated by Software
VY0317SBSD01	VY021546.D	1,2,3-Trichloropropane	MMDadoda	3/18/2025 1:56:01 PM	SAM	3/18/2025 1:57:58 PM	Peak Integrated by Software
VSTDCCC050	VY021554.D	1,2,3-Trichloropropane	MMDadoda	3/18/2025 1:56:02 PM	SAM	3/18/2025 1:58:01 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM				
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021395.D	04 Mar 2025 08:52	SY/MD	Ok
2	VSTDICC005	VY021396.D	04 Mar 2025 09:23	SY/MD	Not Ok
3	VSTDICC010	VY021397.D	04 Mar 2025 09:46	SY/MD	Ok,M
4	VSTDICC020	VY021398.D	04 Mar 2025 10:09	SY/MD	Ok,M
5	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	SY/MD	Ok,M
6	VSTDICC100	VY021400.D	04 Mar 2025 11:06	SY/MD	Ok,M
7	VSTDICC150	VY021401.D	04 Mar 2025 11:29	SY/MD	Ok,M
8	VIBLK	VY021402.D	04 Mar 2025 11:52	SY/MD	Ok
9	VSTDICC005	VY021403.D	04 Mar 2025 12:15	SY/MD	Ok,M
10	VSTDICV050	VY021404.D	04 Mar 2025 13:12	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY031725

Review By	Mahesh Dadoda	Review On	3/18/2025 1:56:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/18/2025 1:58:06 PM		
SubDirectory	VY031725	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133309
Initial Calibration Stds	
CCC	VP133310,VP133311
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021542.D	17 Mar 2025 09:26	SY/MD	Ok
2	VSTDCCC050	VY021543.D	17 Mar 2025 10:04	SY/MD	Ok,M
3	VY0317SBL01	VY021544.D	17 Mar 2025 10:39	SY/MD	Ok
4	VY0317SBS01	VY021545.D	17 Mar 2025 12:49	SY/MD	Ok,M
5	VY0317SBSD01	VY021546.D	17 Mar 2025 13:12	SY/MD	Ok,M
6	Q1585-01	VY021547.D	17 Mar 2025 13:39	SY/MD	ReRun
7	Q1581-01	VY021548.D	17 Mar 2025 14:03	SY/MD	Not Ok
8	Q1574-01	VY021549.D	17 Mar 2025 14:26	SY/MD	ReRun
9	Q1585-01RE	VY021550.D	17 Mar 2025 15:08	SY/MD	Confirms
10	Q1581-01	VY021551.D	17 Mar 2025 15:32	SY/MD	Not Ok
11	Q1574-01RE	VY021552.D	17 Mar 2025 15:55	SY/MD	Confirms
12	VY0317SBS02	VY021553.D	17 Mar 2025 16:18	SY/MD	Not Ok
13	VSTDCCC050	VY021554.D	17 Mar 2025 16:40	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM		
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021395.D	04 Mar 2025 08:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021396.D	04 Mar 2025 09:23	not used	SY/MD	Not Ok
3	VSTDICC010	VSTDICC010	VY021397.D	04 Mar 2025 09:46		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021398.D	04 Mar 2025 10:09	Comp.#11 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	Comp.#95 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021400.D	04 Mar 2025 11:06		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021401.D	04 Mar 2025 11:29	Method fail for comp.#13	SY/MD	Ok,M
8	VIBLK	VIBLK	VY021402.D	04 Mar 2025 11:52		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VY021403.D	04 Mar 2025 12:15		SY/MD	Ok,M
10	VSTDICV050	ICVVY030425	VY021404.D	04 Mar 2025 13:12		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY031725

Review By	Mahesh Dadoda	Review On	3/18/2025 1:56:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/18/2025 1:58:06 PM		
SubDirectory	VY031725	HP Acquire Method		HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133309
Initial Calibration Stds	
CCC	VP133310,VP133311
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021542.D	17 Mar 2025 09:26		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021543.D	17 Mar 2025 10:04		SY/MD	Ok,M
3	VY0317SBL01	VY0317SBL01	VY021544.D	17 Mar 2025 10:39		SY/MD	Ok
4	VY0317SBS01	VY0317SBS01	VY021545.D	17 Mar 2025 12:49		SY/MD	Ok,M
5	VY0317SBSD01	VY0317SBSD01	VY021546.D	17 Mar 2025 13:12		SY/MD	Ok,M
6	Q1585-01	OK-02-03142025	VY021547.D	17 Mar 2025 13:39	Internal Standard Fail;Surrogate Fail	SY/MD	ReRun
7	Q1581-01	TR-06-031425	VY021548.D	17 Mar 2025 14:03	Not purge	SY/MD	Not Ok
8	Q1574-01	WC1	VY021549.D	17 Mar 2025 14:26	Internal Standard Fail	SY/MD	ReRun
9	Q1585-01RE	OK-02-03142025RE	VY021550.D	17 Mar 2025 15:08	Internal Standard Fail	SY/MD	Confirms
10	Q1581-01	TR-06-031425	VY021551.D	17 Mar 2025 15:32	Not purge	SY/MD	Not Ok
11	Q1574-01RE	WC1RE	VY021552.D	17 Mar 2025 15:55	Internal Standard Fail	SY/MD	Confirms
12	VY0317SBS02	VY0317SBS02	VY021553.D	17 Mar 2025 16:18	Not Required	SY/MD	Not Ok
13	VSTDCCC050	VSTDCCC050EC	VY021554.D	17 Mar 2025 16:40		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1574	**OrderDate:**	3/14/2025 11:25:00 AM
Client:	G Environmental	**Project:**	Ave L
Contact:	Gary Landis	**Location:**	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1574-01	**WC1**	**SOIL**			**03/12/25**			**03/14/25**
			VOC-TCLVOA-10	8260D			03/17/25	
Q1574-01RE	**WC1RE**	**SOIL**			**03/12/25**			**03/14/25**
			VOC-TCLVOA-10	8260D			03/17/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1574

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : WC1									
Q1574-01	WC1	SOIL	Phenanthrene		520.000	J	110	870	ug/Kg
Q1574-01	WC1	SOIL	Fluoranthene		830.000	J	150	870	ug/Kg
Q1574-01	WC1	SOIL	Pyrene		580.000	J	180	870	ug/Kg
Q1574-01	WC1	SOIL	Chrysene		550.000	J	100	870	ug/Kg
Q1574-01	WC1	SOIL	Bis(2-ethylhexyl)phthalate		43,100.000	E	300	870	ug/Kg
			Total Svoc :		**45,580.00**				
Q1574-01	WC1	SOIL	n-Hexadecanoic acid	*	1,400.000	J	0	0	ug/Kg
Q1574-01	WC1	SOIL	Octadecanoic acid	*	2,000.000	J	0	0	ug/Kg
Q1574-01	WC1	SOIL	Phthalic acid, 4-methylhept-3-yl u	*	3,400.000	J	0	0	ug/Kg
Q1574-01	WC1	SOIL	Phthalic anhydride	*	720.000	J	0	0	ug/Kg
			Total Tics :		**7,520.00**				
			Total Concentration:		**53,100.00**				
Client ID : WC1DL									
Q1574-01DL	WC1DL	SOIL	Bis(2-ethylhexyl)phthalate		50,800.000	D	1500	4300	ug/Kg
			Total Svoc :		**50,800.00**				
			Total Concentration:		**50,800.00**				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141982.D	5	03/17/25 09:15	03/17/25 15:29	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	800	U	800	1700	ug/Kg
108-95-2	Phenol	110	U	110	870	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	870	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	870	ug/Kg
95-48-7	2-Methylphenol	150	U	150	870	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	190	870	ug/Kg
98-86-2	Acetophenone	150	U	150	870	ug/Kg
65794-96-9	3+4-Methylphenols	210	U	210	1700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	240	U	240	410	ug/Kg
67-72-1	Hexachloroethane	89.7	U	89.7	870	ug/Kg
98-95-3	Nitrobenzene	93.3	U	93.3	870	ug/Kg
78-59-1	Isophorone	170	U	170	870	ug/Kg
88-75-5	2-Nitrophenol	300	U	300	870	ug/Kg
105-67-9	2,4-Dimethylphenol	330	U	330	870	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	870	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	140	870	ug/Kg
91-20-3	Naphthalene	120	U	120	870	ug/Kg
106-47-8	4-Chloroaniline	180	UQ	180	870	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	870	ug/Kg
105-60-2	Caprolactam	270	U	270	1700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	870	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	870	ug/Kg
77-47-4	Hexachlorocyclopentadiene	590	UQ	590	1700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	870	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	150	870	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	870	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	870	ug/Kg
88-74-4	2-Nitroaniline	250	U	250	870	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	870	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141982.D	5	03/17/25 09:15	03/17/25 15:29	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	150	870	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	170	870	ug/Kg
99-09-2	3-Nitroaniline	230	UQ	230	870	ug/Kg
83-32-9	Acenaphthene	110	U	110	870	ug/Kg
51-28-5	2,4-Dinitrophenol	1200	U	1200	1700	ug/Kg
100-02-7	4-Nitrophenol	550	U	550	1700	ug/Kg
132-64-9	Dibenzofuran	120	U	120	870	ug/Kg
121-14-2	2,4-Dinitrotoluene	260	U	260	870	ug/Kg
84-66-2	Diethylphthalate	140	U	140	870	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	870	ug/Kg
86-73-7	Fluorene	130	U	130	870	ug/Kg
100-01-6	4-Nitroaniline	330	U	330	870	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	530	U	530	1700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	170	870	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	870	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	870	ug/Kg
1912-24-9	Atrazine	170	UQ	170	870	ug/Kg
87-86-5	Pentachlorophenol	260	U	260	1700	ug/Kg
85-01-8	Phenanthrene	520	J	110	870	ug/Kg
120-12-7	Anthracene	170	U	170	870	ug/Kg
86-74-8	Carbazole	160	U	160	870	ug/Kg
84-74-2	Di-n-butylphthalate	240	U	240	870	ug/Kg
206-44-0	Fluoranthene	830	J	150	870	ug/Kg
129-00-0	Pyrene	580	J	180	870	ug/Kg
85-68-7	Butylbenzylphthalate	360	U	360	870	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	1700	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	870	ug/Kg
218-01-9	Chrysene	550	J	100	870	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	43100	E	300	870	ug/Kg
117-84-0	Di-n-octyl phthalate	440	U	440	1700	ug/Kg
205-99-2	Benzo(b)fluoranthene	96.9	U	96.9	870	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141982.D	5	03/17/25 09:15	03/17/25 15:29	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	U	110	870	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	150	870	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	870	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	870	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	130	870	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	870	ug/Kg
123-91-1	1,4-Dioxane	230	U	230	870	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	140	870	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	32.7	*	30 (18) - 130 (112)	22%	SPK: 150
13127-88-3	Phenol-d6	31.0	*	30 (15) - 130 (107)	21%	SPK: 150
4165-60-0	Nitrobenzene-d5	23.6	*	30 (18) - 130 (107)	24%	SPK: 100
321-60-8	2-Fluorobiphenyl	27.2	*	30 (20) - 130 (109)	27%	SPK: 100
118-79-6	2,4,6-Tribromophenol	32.0	*	30 (10) - 130 (116)	21%	SPK: 150
1718-51-0	Terphenyl-d14	26.0	*	30 (10) - 130 (105)	26%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	135000	6.881			
1146-65-2	Naphthalene-d8	483000	8.163			
15067-26-2	Acenaphthene-d10	242000	9.916			
1517-22-2	Phenanthrene-d10	414000	11.404			
1719-03-5	Chrysene-d12	299000	14.045			
1520-96-3	Perylene-d12	246000	15.569			
TENTATIVE IDENTIFIED COMPOUNDS						
000085-44-9	Phthalic anhydride	720	J		8.92	ug/Kg
000057-10-3	n-Hexadecanoic acid	1400	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	2000	J		12.7	ug/Kg
1000377-94-6	Phthalic acid, 4-methylhept-3-yl u	3400	J		16.8	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	03/12/25
Project:	Ave L			Date Received:	03/14/25
Client Sample ID:	WC1			SDG No.:	Q1574
Lab Sample ID:	Q1574-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	98
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141982.D	5	03/17/25 09:15	03/17/25 15:29	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1DL	SDG No.:	Q1574
Lab Sample ID:	Q1574-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141984.D	25	03/17/25 09:15	03/17/25 17:00	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	4000	UD	4000	8400	ug/Kg
108-95-2	Phenol	560	UD	560	4300	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	620	UD	620	4300	ug/Kg
95-57-8	2-Chlorophenol	620	UD	620	4300	ug/Kg
95-48-7	2-Methylphenol	760	UD	760	4300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	960	UD	960	4300	ug/Kg
98-86-2	Acetophenone	750	UD	750	4300	ug/Kg
65794-96-9	3+4-Methylphenols	1000	UD	1000	8400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200	UD	1200	2000	ug/Kg
67-72-1	Hexachloroethane	450	UD	450	4300	ug/Kg
98-95-3	Nitrobenzene	470	UD	470	4300	ug/Kg
78-59-1	Isophorone	840	UD	840	4300	ug/Kg
88-75-5	2-Nitrophenol	1500	UD	1500	4300	ug/Kg
105-67-9	2,4-Dimethylphenol	1700	UD	1700	4300	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	790	UD	790	4300	ug/Kg
120-83-2	2,4-Dichlorophenol	720	UD	720	4300	ug/Kg
91-20-3	Naphthalene	580	UD	580	4300	ug/Kg
106-47-8	4-Chloroaniline	900	UDQ	900	4300	ug/Kg
87-68-3	Hexachlorobutadiene	640	UD	640	4300	ug/Kg
105-60-2	Caprolactam	1300	UD	1300	8400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	730	UD	730	4300	ug/Kg
91-57-6	2-Methylnaphthalene	650	UD	650	4300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000	UDQ	3000	8400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	500	UD	500	4300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	740	UD	740	4300	ug/Kg
92-52-4	1,1-Biphenyl	560	UD	560	4300	ug/Kg
91-58-7	2-Chloronaphthalene	570	UD	570	4300	ug/Kg
88-74-4	2-Nitroaniline	1200	UD	1200	4300	ug/Kg
131-11-3	Dimethylphthalate	690	UD	690	4300	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1DL	SDG No.:	Q1574
Lab Sample ID:	Q1574-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141984.D	25	03/17/25 09:15	03/17/25 17:00	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	740	UD	740	4300	ug/Kg
606-20-2	2,6-Dinitrotoluene	860	UD	860	4300	ug/Kg
99-09-2	3-Nitroaniline	1200	UDQ	1200	4300	ug/Kg
83-32-9	Acenaphthene	540	UD	540	4300	ug/Kg
51-28-5	2,4-Dinitrophenol	5800	UD	5800	8400	ug/Kg
100-02-7	4-Nitrophenol	2700	UD	2700	8400	ug/Kg
132-64-9	Dibenzofuran	580	UD	580	4300	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300	UD	1300	4300	ug/Kg
84-66-2	Diethylphthalate	720	UD	720	4300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	680	UD	680	4300	ug/Kg
86-73-7	Fluorene	640	UD	640	4300	ug/Kg
100-01-6	4-Nitroaniline	1600	UD	1600	4300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2600	UD	2600	8400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	840	UD	840	4300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	710	UD	710	4300	ug/Kg
118-74-1	Hexachlorobenzene	640	UD	640	4300	ug/Kg
1912-24-9	Atrazine	870	UDQ	870	4300	ug/Kg
87-86-5	Pentachlorophenol	1300	UD	1300	8400	ug/Kg
85-01-8	Phenanthrene	530	UD	530	4300	ug/Kg
120-12-7	Anthracene	850	UD	850	4300	ug/Kg
86-74-8	Carbazole	800	UD	800	4300	ug/Kg
84-74-2	Di-n-butylphthalate	1200	UD	1200	4300	ug/Kg
206-44-0	Fluoranthene	760	UD	760	4300	ug/Kg
129-00-0	Pyrene	920	UD	920	4300	ug/Kg
85-68-7	Butylbenzylphthalate	1800	UD	1800	4300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	940	UD	940	8400	ug/Kg
56-55-3	Benzo(a)anthracene	590	UD	590	4300	ug/Kg
218-01-9	Chrysene	510	UD	510	4300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	50800	D	1500	4300	ug/Kg
117-84-0	Di-n-octyl phthalate	2200	UD	2200	8400	ug/Kg
205-99-2	Benzo(b)fluoranthene	480	UD	480	4300	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1DL	SDG No.:	Q1574
Lab Sample ID:	Q1574-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141984.D	25	03/17/25 09:15	03/17/25 17:00	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	570	UD	570	4300	ug/Kg
50-32-8	Benzo(a)pyrene	750	UD	750	4300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	740	UD	740	4300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	700	UD	700	4300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	660	UD	660	4300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	650	UD	650	4300	ug/Kg
123-91-1	1,4-Dioxane	1200	UD	1200	4300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	700	UD	700	4300	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	29.2	*	30 (18) - 130 (112)	19%	SPK: 150
13127-88-3	Phenol-d6	26.8	*	30 (15) - 130 (107)	18%	SPK: 150
4165-60-0	Nitrobenzene-d5	22.1	*	30 (18) - 130 (107)	22%	SPK: 100
321-60-8	2-Fluorobiphenyl	26.3	*	30 (20) - 130 (109)	26%	SPK: 100
118-79-6	2,4,6-Tribromophenol	26.6	*	30 (10) - 130 (116)	18%	SPK: 150
1718-51-0	Terphenyl-d14	25.9	*	30 (10) - 130 (105)	26%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.881			
1146-65-2	Naphthalene-d8	437000	8.163			
15067-26-2	Acenaphthene-d10	216000	9.916			
1517-22-2	Phenanthrene-d10	380000	11.404			
1719-03-5	Chrysene-d12	298000	14.039			
1520-96-3	Perylene-d12	225000	15.527			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167157BL	PB167157BL	2-Fluorophenol	150	151	101		30 (18)	130 (112)
		Phenol-d6	150	144	96		30 (15)	130 (107)
		Nitrobenzene-d5	100	96.9	97		30 (18)	130 (107)
		2-Fluorobiphenyl	100	97.8	98		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	146	97		30 (10)	130 (116)
		Terphenyl-d14	100	110	110		30 (10)	130 (105)
PB167157BS	PB167157BS	2-Fluorophenol	150	156	104		30 (18)	130 (112)
		Phenol-d6	150	148	98		30 (15)	130 (107)
		Nitrobenzene-d5	100	99.5	100		30 (18)	130 (107)
		2-Fluorobiphenyl	100	96.5	96		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	154	102		30 (10)	130 (116)
		Terphenyl-d14	100	102	102		30 (10)	130 (105)
Q1574-01	WC1	2-Fluorophenol	150	32.7	22	*	30 (18)	130 (112)
		Phenol-d6	150	31.0	21	*	30 (15)	130 (107)
		Nitrobenzene-d5	100	23.6	24	*	30 (18)	130 (107)
		2-Fluorobiphenyl	100	27.2	27	*	30 (20)	130 (109)
		2,4,6-Tribromophenol	150	32.0	21	*	30 (10)	130 (116)
		Terphenyl-d14	100	26.0	26	*	30 (10)	130 (105)
Q1574-01DL	WC1DL	2-Fluorophenol	150	29.2	19	*	30 (18)	130 (112)
		Phenol-d6	150	26.8	18	*	30 (15)	130 (107)
		Nitrobenzene-d5	100	22.1	22	*	30 (18)	130 (107)
		2-Fluorobiphenyl	100	26.3	26	*	30 (20)	130 (109)
		2,4,6-Tribromophenol	150	26.6	18	*	30 (10)	130 (116)
		Terphenyl-d14	100	25.9	26	*	30 (10)	130 (105)
Q1585-01MS	OK-02-03142025MS	2-Fluorophenol	150	92.6	62		30 (18)	130 (112)
		Phenol-d6	150	87.6	58		30 (15)	130 (107)
		Nitrobenzene-d5	100	66.5	67		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.3	73		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	89.9	60		30 (10)	130 (116)
		Terphenyl-d14	100	62.8	63		30 (10)	130 (105)
Q1585-01MSD	OK-02-03142025MSD	2-Fluorophenol	150	97.1	65		30 (18)	130 (112)
		Phenol-d6	150	90.8	61		30 (15)	130 (107)
		Nitrobenzene-d5	100	69.9	70		30 (18)	130 (107)
		2-Fluorobiphenyl	100	74.6	75		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	95.2	63		30 (10)	130 (116)
		Terphenyl-d14	100	65.5	66		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1585-01MS		**Client Sample ID: OK-02-03142025MS**						**DataFile:**	**BF141980.D**		
Benzaldehyde	1000	0	390	ug/Kg	39				20 (10)	160 (86)	
Phenol	1000	0	880	ug/Kg	88				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1000	0	930	ug/Kg	93				70 (54)	130 (125)	
2-Chlorophenol	1000	0	910	ug/Kg	91				70 (79)	130 (107)	
2-Methylphenol	1000	0	870	ug/Kg	87				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1000	0	840	ug/Kg	84				70 (65)	130 (110)	
Acetophenone	1000	0	1100	ug/Kg	110				70 (75)	130 (111)	
3+4-Methylphenols	1000	0	870	ug/Kg	87				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1000	0	850	ug/Kg	85				70 (59)	130 (119)	
Hexachloroethane	1000	0	890	ug/Kg	89				20 (65)	160 (117)	
Nitrobenzene	1000	0	950	ug/Kg	95				70 (70)	130 (119)	
Isophorone	1000	0	970	ug/Kg	97				70 (76)	130 (122)	
2-Nitrophenol	1000	0	890	ug/Kg	89				70 (54)	130 (145)	
2,4-Dimethylphenol	1000	0	1100	ug/Kg	110				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1000	0	940	ug/Kg	94				70 (68)	130 (112)	
2,4-Dichlorophenol	1000	0	890	ug/Kg	89				70 (72)	130 (118)	
Naphthalene	1000	0	930	ug/Kg	93				70 (72)	130 (110)	
4-Chloroaniline	1000	0	330	ug/Kg	33	*			70 (10)	130 (91)	
Hexachlorobutadiene	1000	0	990	ug/Kg	99				70 (66)	130 (114)	
Caprolactam	1000	0	950	ug/Kg	95				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1000	0	810	ug/Kg	81				70 (57)	130 (132)	
2-Methylnaphthalene	1000	0	860	ug/Kg	86				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2100	0	1300	ug/Kg	62				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1000	0	960	ug/Kg	96				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1000	0	970	ug/Kg	97				70 (72)	130 (117)	
1,1-Biphenyl	1000	0	1100	ug/Kg	110				70 (75)	130 (113)	
2-Chloronaphthalene	1000	0	970	ug/Kg	97				70 (67)	130 (118)	
2-Nitroaniline	1000	0	980	ug/Kg	98				70 (69)	130 (127)	
Dimethylphthalate	1000	0	990	ug/Kg	99				70 (70)	130 (113)	
Acenaphthylene	1000	150	1100	ug/Kg	95				70 (79)	130 (118)	
2,6-Dinitrotoluene	1000	0	920	ug/Kg	92				70 (70)	130 (125)	
3-Nitroaniline	1000	0	800	ug/Kg	80				70 (30)	130 (99)	
Acenaphthene	1000	120	980	ug/Kg	86				70 (70)	130 (121)	
2,4-Dinitrophenol	2100	0	580	ug/Kg	28				20 (10)	160 (155)	
4-Nitrophenol	2100	0	2100	ug/Kg	100				20 (45)	160 (133)	
Dibenzofuran	1000	0	950	ug/Kg	95				70 (72)	130 (110)	
2,4-Dinitrotoluene	1000	0	920	ug/Kg	92				70 (55)	130 (128)	
Diethylphthalate	1000	0	940	ug/Kg	94				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1000	0	920	ug/Kg	92				70 (71)	130 (108)	
Fluorene	1000	200	1100	ug/Kg	90				70 (68)	130 (116)	
4-Nitroaniline	1000	0	850	ug/Kg	85				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1000	0	230	ug/Kg	23	*			70 (10)	130 (160)	
N-Nitrosodiphenylamine	1000	0	950	ug/Kg	95				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1000	0	900	ug/Kg	90				70 (65)	130 (121)	
Hexachlorobenzene	1000	0	910	ug/Kg	91				70 (67)	130 (118)	
Atrazine	1000	0	1200	ug/Kg	120				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2100	0	1900	ug/Kg	90				20 (47)	160 (128)	
Phenanthrene	1000	1100	1700	ug/Kg	60	*			70 (52)	130 (128)	
Anthracene	1000	280	1100	ug/Kg	82				70 (62)	130 (124)	
Carbazole	1000	140	1100	ug/Kg	96				70 (59)	130 (119)	
Di-n-butylphthalate	1000	0	940	ug/Kg	94				70 (69)	130 (118)	
Fluoranthene	1000	1300	1800	ug/Kg	50	*			70 (44)	130 (125)	
Pyrene	1000	790	1500	ug/Kg	71				70 (26)	130 (142)	
Butylbenzylphthalate	1000	0	910	ug/Kg	91				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1000	0	890	ug/Kg	89				70 (33)	130 (116)	
Benzo(a)anthracene	1000	630	1300	ug/Kg	67	*			70 (71)	130 (114)	
Chrysene	1000	630	1300	ug/Kg	67	*			70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1000	91.3	930	ug/Kg	84				70 (42)	130 (169)	
Di-n-octyl phthalate	1000	0	1000	ug/Kg	100				70 (23)	130 (175)	
Benzo(b)fluoranthene	1000	640	1400	ug/Kg	76				70 (67)	130 (121)	
Benzo(k)fluoranthene	1000	310	990	ug/Kg	68	*			70 (57)	130 (134)	
Benzo(a)pyrene	1000	570	1300	ug/Kg	73				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1000	240	1000	ug/Kg	76				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1000	0	880	ug/Kg	88				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1000	310	1000	ug/Kg	69	*			70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1000	0	1100	ug/Kg	110				70 (69)	130 (124)	
1,4-Dioxane	1000	0	970	ug/Kg	97				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1000	0	880	ug/Kg	88				70 (69)	130 (112)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q1585-01MSD		**Client Sample ID: OK-02-03142025MSD**						**DataFile:**	**BF141981.D**		
Benzaldehyde	1000	0	400	ug/Kg	40		3		20 (10)	160 (86)	30 (20)
Phenol	1000	0	930	ug/Kg	93		6		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1000	0	960	ug/Kg	96		3		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1000	0	940	ug/Kg	94		3		70 (79)	130 (107)	30 (20)
2-Methylphenol	1000	0	900	ug/Kg	90		3		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1000	0	870	ug/Kg	87		4		70 (65)	130 (110)	30 (20)
Acetophenone	1000	0	1100	ug/Kg	110		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1000	0	910	ug/Kg	91		4		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1000	0	860	ug/Kg	86		1		70 (59)	130 (119)	30 (20)
Hexachloroethane	1000	0	890	ug/Kg	89		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	1000	0	1000	ug/Kg	100		5		70 (70)	130 (119)	30 (20)
Isophorone	1000	0	1000	ug/Kg	100		3		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1000	0	910	ug/Kg	91		2		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1000	0	1200	ug/Kg	120		9		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1000	0	980	ug/Kg	98		4		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1000	0	940	ug/Kg	94		5		70 (72)	130 (118)	30 (20)
Naphthalene	1000	0	980	ug/Kg	98		5		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1000	0	460	ug/Kg	46	*	33	*	70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1000	0	1000	ug/Kg	100		1		70 (66)	130 (114)	30 (20)
Caprolactam	1000	0	1000	ug/Kg	100		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1000	0	860	ug/Kg	86		6		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1000	0	900	ug/Kg	90		5		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2100	0	900	ug/Kg	43		36	*	20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1000	0	980	ug/Kg	98		2		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1000	0	990	ug/Kg	99		2		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1000	0	1200	ug/Kg	120		9		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1000	0	1000	ug/Kg	100		3		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1000	0	1000	ug/Kg	100		2		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1000	0	1000	ug/Kg	100		1		70 (70)	130 (113)	30 (20)
Acenaphthylene	1000	150	1100	ug/Kg	95		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1000	0	960	ug/Kg	96		4		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1000	0	880	ug/Kg	88		10		70 (30)	130 (99)	30 (20)
Acenaphthene	1000	120	1000	ug/Kg	88		2		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2100	0	470	ug/Kg	22		24		20 (10)	160 (155)	30 (20)
4-Nitrophenol	2100	0	2200	ug/Kg	105		5		20 (45)	160 (133)	30 (20)
Dibenzofuran	1000	0	990	ug/Kg	99		4		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1000	0	960	ug/Kg	96		4		70 (55)	130 (128)	30 (20)
Diethylphthalate	1000	0	960	ug/Kg	96		2		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1000	0	950	ug/Kg	95		3		70 (71)	130 (108)	30 (20)
Fluorene	1000	200	1100	ug/Kg	90		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1000	0	940	ug/Kg	94		10		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1000	0	160	ug/Kg	16	*	36	*	70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1000	0	990	ug/Kg	99		4		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1000	0	930	ug/Kg	93		3		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1000	0	960	ug/Kg	96		5		70 (67)	130 (118)	30 (20)
Atrazine	1000	0	1300	ug/Kg	130		8		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2100	0	2000	ug/Kg	95		5		20 (47)	160 (128)	30 (20)
Phenanthrene	1000	1100	1800	ug/Kg	70		15		70 (52)	130 (128)	30 (20)
Anthracene	1000	280	1200	ug/Kg	92		11		70 (62)	130 (124)	30 (20)
Carbazole	1000	140	1100	ug/Kg	96		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1000	0	990	ug/Kg	99		5		70 (69)	130 (118)	30 (20)
Fluoranthene	1000	1300	1900	ug/Kg	60	*	18		70 (44)	130 (125)	30 (20)
Pyrene	1000	790	1600	ug/Kg	81		13		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1000	0	970	ug/Kg	97		6		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1000	0	980	ug/Kg	98		10		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1000	630	1400	ug/Kg	77		14		70 (71)	130 (114)	30 (20)
Chrysene	1000	630	1400	ug/Kg	77		14		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1000	91.3	990	ug/Kg	90		7		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1000	0	1000	ug/Kg	100		0		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1000	640	1400	ug/Kg	76		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1000	310	1100	ug/Kg	79		15		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1000	570	1400	ug/Kg	83		13		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1000	240	1100	ug/Kg	86		12		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1000	0	930	ug/Kg	93		6		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1000	310	1100	ug/Kg	79		14		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1000	0	1200	ug/Kg	120		9		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1000	0	1000	ug/Kg	100		3		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1000	0	940	ug/Kg	94		7		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024181.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167157BS	Benzaldehyde	1700	720	ug/Kg	42				20 (10)	160 (133)	
	Phenol	1700	1600	ug/Kg	94				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1600	ug/Kg	94				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1600	ug/Kg	94				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1600	ug/Kg	94				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	2000	ug/Kg	118				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1500	ug/Kg	88				70 (62)	130 (100)	
	4-Chloroaniline	1700	830	ug/Kg	49		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				70 (53)	130 (98)	
	Caprolactam	1700	1800	ug/Kg	106				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	5400	ug/Kg	164		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1600	ug/Kg	94				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				70 (61)	130 (104)	
	3-Nitroaniline	1700	1000	ug/Kg	59		*		70 (28)	130 (100)	
	Acenaphthene	1700	1500	ug/Kg	88				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3800	ug/Kg	115				20 (37)	160 (128)	
	4-Nitrophenol	3300	3600	ug/Kg	109				20 (48)	160 (119)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1500	ug/Kg	88				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8270E **DataFile:** BP024181.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167157BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	2500	ug/Kg	147		*		70 (47)	130 (152)	
	Pentachlorophenol	3300	3400	ug/Kg	103				20 (67)	160 (105)	
	Phenanthrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Anthracene	1700	1600	ug/Kg	94				70 (61)	130 (105)	
	Carbazole	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				70 (58)	130 (104)	
	Fluoranthene	1700	1500	ug/Kg	88				70 (57)	130 (107)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1500	ug/Kg	88				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1400	ug/Kg	82				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167157BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: BP024180.D Lab Sample ID: PB167157BL

Instrument ID: BNA_P Date Extracted: 03/17/2025

Matrix: (soil/water) SOIL Date Analyzed: 03/18/2025

Level: (low/med) LOW Time Analyzed: 10:26

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167157BS	PB167157BS	BP024181.D	03/18/2025
WC1	Q1574-01	BF141982.D	03/17/2025
OK-02-03142025MS	Q1585-01MS	BF141980.D	03/17/2025
OK-02-03142025MSD	Q1585-01MSD	BF141981.D	03/17/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: BF141896.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.1
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141897.D	03/10/2025	11:01
SSTDICC005	SSTDICC005	BF141898.D	03/10/2025	11:30
SSTDICC010	SSTDICC010	BF141899.D	03/10/2025	12:00
SSTDICC020	SSTDICC020	BF141900.D	03/10/2025	12:29
SSTDICCC040	SSTDICCC040	BF141901.D	03/10/2025	12:58
SSTDICC060	SSTDICC060	BF141903.D	03/10/2025	13:57
SSTDICC080	SSTDICC080	BF141904.D	03/10/2025	14:27
SSTDICC050	SSTDICC050	BF141905.D	03/10/2025	15:20

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: BF141972.D DFTPP Injection Date: 03/17/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.0
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	32.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	30.0
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	17.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141973.D	03/17/2025	09:39
OK-02-03142025MS	Q1585-01MS	BF141980.D	03/17/2025	14:30
OK-02-03142025MSD	Q1585-01MSD	BF141981.D	03/17/2025	15:00
WC1	Q1574-01	BF141982.D	03/17/2025	15:29
WC1DL	Q1574-01DL	BF141984.D	03/17/2025	17:00

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: BP024159.D DFTPP Injection Date: 03/12/2025

Instrument ID: BNA_P DFTPP Injection Time: 15:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.5
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	33.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	18.4 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024160.D	03/12/2025	16:17
SSTDICC005	SSTDICC005	BP024161.D	03/12/2025	16:57
SSTDICC010	SSTDICC010	BP024162.D	03/12/2025	17:38
SSTDICC020	SSTDICC020	BP024163.D	03/12/2025	18:19
SSTDICCC040	SSTDICCC040	BP024164.D	03/12/2025	19:00
SSTDICC050	SSTDICC050	BP024165.D	03/12/2025	19:41
SSTDICC060	SSTDICC060	BP024166.D	03/12/2025	20:21
SSTDICC080	SSTDICC080	BP024167.D	03/12/2025	21:02

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1574 SDG NO.: Q1574

Lab File ID: BP024178.D DFTPP Injection Date: 03/18/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.0
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	100.0
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	48.4
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	14.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	78.8
442	Greater than 50% of mass 198	94.8
443	15.0 - 24.0% of mass 442	18.8(19.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024179.D	03/18/2025	09:46
PB167157BL	PB167157BL	BP024180.D	03/18/2025	10:26
PB167157BS	PB167157BS	BP024181.D	03/18/2025	11:07

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/17/2025

Lab File ID: BF141973.D Time Analyzed: 09:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	158789	6.881	576888	8.16	299010	9.92
	UPPER LIMIT	317578	7.381	1153780	8.663	598020	10.416
	LOWER LIMIT	79394.5	6.381	288444	7.663	149505	9.416
	EPA SAMPLE NO.						
01	OK-02-03142025MS	138986	6.88	493410	8.16	238972	9.92
02	WC1	134820	6.88	482604	8.16	242342	9.92
03	WC1DL	122353	6.88	436760	8.16	216464	9.92
04	OK-02-03142025MSD	122962	6.88	428074	8.16	210222	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/17/2025

Lab File ID: BF141973.D Time Analyzed: 09:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	485045	11.398	344713	14.039	406777	15.515
	UPPER LIMIT	970090	11.898	689426	14.539	813554	16.015
	LOWER LIMIT	242523	10.898	172357	13.539	203389	15.015
	EPA SAMPLE NO.						
01	OK-02-03142025MS	402192	11.40	316750	14.05	247894	15.52
02	WC1	413517	11.40	298547	14.05	246126	15.57
03	WC1DL	380298	11.40	298468	14.04	224847	15.53
04	OK-02-03142025MSD	360568	11.40	282638	14.05	213270	15.52

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/18/2025

Lab File ID: BP024179.D Time Analyzed: 09:46

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	345886	7.769	1431680	10.55	884889	14.40
	UPPER LIMIT	691772	8.269	2863360	11.046	1769780	14.898
	LOWER LIMIT	172943	7.269	715840	10.046	442445	13.898
	EPA SAMPLE NO.						
01	PB167157BL	334055	7.77	1336340	10.55	814855	14.40
02	PB167157BS	330651	7.77	1324490	10.55	810278	14.40

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/18/2025

Lab File ID: BP024179.D Time Analyzed: 09:46

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1703420	17.21	1890510	21.663	2037050	25.068
	UPPER LIMIT	3406840	17.71	3781020	22.163	4074100	25.568
	LOWER LIMIT	851710	16.71	945255	21.163	1018530	24.568
	EPA SAMPLE NO.						
01	PB167157BL	1550470	17.20	1479760	21.66	1571340	25.05
02	PB167157BS	1519990	17.21	1650500	21.67	1679150	25.06

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Ave L			Date Received:	
Client Sample ID:	PB167157BL			SDG No.:	Q1574
Lab Sample ID:	PB167157BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024180.D	1	03/17/25 09:15	03/18/25 10:26	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	PB167157BL	SDG No.:	Q1574
Lab Sample ID:	PB167157BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024180.D	1	03/17/25 09:15	03/18/25 10:26	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Ave L			Date Received:	
Client Sample ID:	PB167157BL			SDG No.:	Q1574
Lab Sample ID:	PB167157BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024180.D	1	03/17/25 09:15	03/18/25 10:26	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	151		30 (18) - 130 (112)	101%	SPK: 150
13127-88-3	Phenol-d6	144		30 (15) - 130 (107)	96%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.9		30 (18) - 130 (107)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.8		30 (20) - 130 (109)	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		30 (10) - 130 (116)	97%	SPK: 150
1718-51-0	Terphenyl-d14	110		30 (10) - 130 (105)	110%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	334000	7.769			
1146-65-2	Naphthalene-d8	1340000	10.545			
15067-26-2	Acenaphthene-d10	815000	14.404			
1517-22-2	Phenanthrene-d10	1550000	17.204			
1719-03-5	Chrysene-d12	1480000	21.663			
1520-96-3	Perylene-d12	1570000	25.051			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Ave L	Date Received:	
Client Sample ID:	PB167157BS	SDG No.:	Q1574
Lab Sample ID:	PB167157BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024181.D	1	03/17/25 09:15	03/18/25 11:07	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	720		160	330	ug/Kg
108-95-2	Phenol	1600		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1600		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1600		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		37.5	170	ug/Kg
98-86-2	Acetophenone	1600		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1600		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	830		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1800		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5400	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Ave L			Date Received:	
Client Sample ID:	PB167157BS			SDG No.:	Q1574
Lab Sample ID:	PB167157BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024181.D	1	03/17/25 09:15	03/18/25 11:07	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1000		46.0	170	ug/Kg
83-32-9	Acenaphthene	1500		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3600	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1400		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1500		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	170	ug/Kg
1912-24-9	Atrazine	2500		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3400	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1600		20.9	170	ug/Kg
120-12-7	Anthracene	1600		33.3	170	ug/Kg
86-74-8	Carbazole	1600		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Ave L			Date Received:	
Client Sample ID:	PB167157BS			SDG No.:	Q1574
Lab Sample ID:	PB167157BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024181.D	1	03/17/25 09:15	03/18/25 11:07	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1400		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	156		30 (18) - 130 (112)	104%	SPK: 150
13127-88-3	Phenol-d6	148		30 (15) - 130 (107)	98%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.5		30 (18) - 130 (107)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.5		30 (20) - 130 (109)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		30 (10) - 130 (116)	102%	SPK: 150
1718-51-0	Terphenyl-d14	102		30 (10) - 130 (105)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	331000	7.769			
1146-65-2	Naphthalene-d8	1320000	10.552			
15067-26-2	Acenaphthene-d10	810000	14.404			
1517-22-2	Phenanthrene-d10	1520000	17.21			
1719-03-5	Chrysene-d12	1650000	21.669			
1520-96-3	Perylene-d12	1680000	25.057			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/14/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	OK-02-03142025MS	SDG No.:	Q1574
Lab Sample ID:	Q1585-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141980.D	2	03/17/25 09:15	03/17/25 14:30	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	390	J	190	410	ug/Kg
108-95-2	Phenol	880		27.3	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		30.0	210	ug/Kg
95-57-8	2-Chlorophenol	910		30.1	210	ug/Kg
95-48-7	2-Methylphenol	870		36.9	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	840		46.3	210	ug/Kg
98-86-2	Acetophenone	1100		36.4	210	ug/Kg
65794-96-9	3+4-Methylphenols	870		50.7	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	850		58.5	98.7	ug/Kg
67-72-1	Hexachloroethane	890		21.7	210	ug/Kg
98-95-3	Nitrobenzene	950		22.6	210	ug/Kg
78-59-1	Isophorone	970		40.5	210	ug/Kg
88-75-5	2-Nitrophenol	890		71.8	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		80.0	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	940		38.0	210	ug/Kg
120-83-2	2,4-Dichlorophenol	890		34.9	210	ug/Kg
91-20-3	Naphthalene	930		28.0	210	ug/Kg
106-47-8	4-Chloroaniline	330		43.7	210	ug/Kg
87-68-3	Hexachlorobutadiene	990		31.2	210	ug/Kg
105-60-2	Caprolactam	950		64.3	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	810		35.4	210	ug/Kg
91-57-6	2-Methylnaphthalene	860		31.6	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1300		140	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	960		24.4	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970		35.9	210	ug/Kg
92-52-4	1,1-Biphenyl	1100		26.9	210	ug/Kg
91-58-7	2-Chloronaphthalene	970		27.8	210	ug/Kg
88-74-4	2-Nitroaniline	980		59.4	210	ug/Kg
131-11-3	Dimethylphthalate	990		33.5	210	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/14/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	OK-02-03142025MS	SDG No.:	Q1574
Lab Sample ID:	Q1585-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141980.D	2	03/17/25 09:15	03/17/25 14:30	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		35.7	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	920		41.5	210	ug/Kg
99-09-2	3-Nitroaniline	800		56.8	210	ug/Kg
83-32-9	Acenaphthene	980		26.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	580		280	410	ug/Kg
100-02-7	4-Nitrophenol	2100		130	410	ug/Kg
132-64-9	Dibenzofuran	950		28.0	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	920		61.8	210	ug/Kg
84-66-2	Diethylphthalate	940		34.9	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920		33.0	210	ug/Kg
86-73-7	Fluorene	1100		31.2	210	ug/Kg
100-01-6	4-Nitroaniline	850		79.2	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	J	130	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	950		40.6	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	900		34.3	210	ug/Kg
118-74-1	Hexachlorobenzene	910		31.2	210	ug/Kg
1912-24-9	Atrazine	1200		42.0	210	ug/Kg
87-86-5	Pentachlorophenol	1900		63.3	410	ug/Kg
85-01-8	Phenanthrene	1700		25.8	210	ug/Kg
120-12-7	Anthracene	1100		41.1	210	ug/Kg
86-74-8	Carbazole	1100		38.5	210	ug/Kg
84-74-2	Di-n-butylphthalate	940		59.1	210	ug/Kg
206-44-0	Fluoranthene	1800		37.0	210	ug/Kg
129-00-0	Pyrene	1500		44.4	210	ug/Kg
85-68-7	Butylbenzylphthalate	910		88.1	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	890		45.3	410	ug/Kg
56-55-3	Benzo(a)anthracene	1300		28.4	210	ug/Kg
218-01-9	Chrysene	1300		24.6	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	930		73.1	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		110	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		23.5	210	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/14/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	OK-02-03142025MS	SDG No.:	Q1574
Lab Sample ID:	Q1585-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.1
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141980.D	2	03/17/25 09:15	03/17/25 14:30	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	990		27.6	210	ug/Kg
50-32-8	Benzo(a)pyrene	1300		36.4	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		35.9	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	880		33.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		31.7	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		31.6	210	ug/Kg
123-91-1	1,4-Dioxane	970		55.8	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	880		33.8	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.6		30 (18) - 130 (112)	62%	SPK: 150
13127-88-3	Phenol-d6	87.6		30 (15) - 130 (107)	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.5		30 (18) - 130 (107)	67%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.3		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.9		30 (10) - 130 (116)	60%	SPK: 150
1718-51-0	Terphenyl-d14	62.8		30 (10) - 130 (105)	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	139000	6.881			
1146-65-2	Naphthalene-d8	493000	8.163			
15067-26-2	Acenaphthene-d10	239000	9.916			
1517-22-2	Phenanthrene-d10	402000	11.404			
1719-03-5	Chrysene-d12	317000	14.045			
1520-96-3	Perylene-d12	248000	15.521			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	03/14/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	OK-02-03142025MSD	SDG No.:	Q1574
Lab Sample ID:	Q1585-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.1
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141981.D	2	03/17/25 09:15	03/17/25 15:00	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	400	J	190	410	ug/Kg
108-95-2	Phenol	930		27.3	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	960		30.0	210	ug/Kg
95-57-8	2-Chlorophenol	940		30.1	210	ug/Kg
95-48-7	2-Methylphenol	900		36.9	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	870		46.3	210	ug/Kg
98-86-2	Acetophenone	1100		36.4	210	ug/Kg
65794-96-9	3+4-Methylphenols	910		50.7	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	860		58.5	98.7	ug/Kg
67-72-1	Hexachloroethane	890		21.7	210	ug/Kg
98-95-3	Nitrobenzene	1000		22.6	210	ug/Kg
78-59-1	Isophorone	1000		40.5	210	ug/Kg
88-75-5	2-Nitrophenol	910		71.8	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		80.0	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	980		38.0	210	ug/Kg
120-83-2	2,4-Dichlorophenol	940		34.9	210	ug/Kg
91-20-3	Naphthalene	980		28.0	210	ug/Kg
106-47-8	4-Chloroaniline	460		43.7	210	ug/Kg
87-68-3	Hexachlorobutadiene	1000		31.2	210	ug/Kg
105-60-2	Caprolactam	1000		64.3	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	860		35.4	210	ug/Kg
91-57-6	2-Methylnaphthalene	900		31.6	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	900		140	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	980		24.4	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		35.9	210	ug/Kg
92-52-4	1,1-Biphenyl	1200		26.9	210	ug/Kg
91-58-7	2-Chloronaphthalene	1000		27.8	210	ug/Kg
88-74-4	2-Nitroaniline	1000		59.3	210	ug/Kg
131-11-3	Dimethylphthalate	1000		33.4	210	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/14/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	OK-02-03142025MSD	SDG No.:	Q1574
Lab Sample ID:	Q1585-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.1
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141981.D	2	03/17/25 09:15	03/17/25 15:00	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		35.7	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		41.5	210	ug/Kg
99-09-2	3-Nitroaniline	880		56.8	210	ug/Kg
83-32-9	Acenaphthene	1000		26.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	470		280	410	ug/Kg
100-02-7	4-Nitrophenol	2200		130	410	ug/Kg
132-64-9	Dibenzofuran	990		28.0	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	960		61.8	210	ug/Kg
84-66-2	Diethylphthalate	960		34.9	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		32.9	210	ug/Kg
86-73-7	Fluorene	1100		31.2	210	ug/Kg
100-01-6	4-Nitroaniline	940		79.2	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	J	130	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	990		40.6	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	930		34.3	210	ug/Kg
118-74-1	Hexachlorobenzene	960		31.2	210	ug/Kg
1912-24-9	Atrazine	1300		42.0	210	ug/Kg
87-86-5	Pentachlorophenol	2000		63.3	410	ug/Kg
85-01-8	Phenanthrene	1800		25.8	210	ug/Kg
120-12-7	Anthracene	1200		41.1	210	ug/Kg
86-74-8	Carbazole	1100		38.5	210	ug/Kg
84-74-2	Di-n-butylphthalate	990		59.1	210	ug/Kg
206-44-0	Fluoranthene	1900		37.0	210	ug/Kg
129-00-0	Pyrene	1600		44.4	210	ug/Kg
85-68-7	Butylbenzylphthalate	970		88.1	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	980		45.3	410	ug/Kg
56-55-3	Benzo(a)anthracene	1400		28.4	210	ug/Kg
218-01-9	Chrysene	1400		24.6	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	990		73.0	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		110	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		23.4	210	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	03/14/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	OK-02-03142025MSD	SDG No.:	Q1574
Lab Sample ID:	Q1585-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.1
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141981.D	2	03/17/25 09:15	03/17/25 15:00	PB167157

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		27.6	210	ug/Kg
50-32-8	Benzo(a)pyrene	1400		36.4	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		35.9	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	930		33.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		31.7	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		31.6	210	ug/Kg
123-91-1	1,4-Dioxane	1000		55.8	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	940		33.8	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.1		30 (18) - 130 (112)	65%	SPK: 150
13127-88-3	Phenol-d6	90.8		30 (15) - 130 (107)	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.9		30 (18) - 130 (107)	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.6		30 (20) - 130 (109)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	95.2		30 (10) - 130 (116)	63%	SPK: 150
1718-51-0	Terphenyl-d14	65.5		30 (10) - 130 (105)	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	123000	6.881			
1146-65-2	Naphthalene-d8	428000	8.163			
15067-26-2	Acenaphthene-d10	210000	9.916			
1517-22-2	Phenanthrene-d10	361000	11.404			
1719-03-5	Chrysene-d12	283000	14.045			
1520-96-3	Perylene-d12	213000	15.521			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF1419
04.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.490	0.482	0.536	0.504	0.495	0.501	0.508	0.502	3.43
3)		Pyridine		1.217	1.204	1.334	1.221	1.203	1.209	1.233	1.232	3.77
4)		n-Nitrosodimet...		0.554	0.556	0.621	0.583	0.595	0.594	0.607	0.587	4.26
5)	S	2-Fluorophenol		1.267	1.243	1.298	1.148	1.162	1.146	1.124	1.198	5.79
6)		Aniline		1.599	1.602	1.640	1.465	1.443	1.435	1.351	1.505	7.20
7)	S	Phenol-d6		1.623	1.593	1.644	1.442	1.483	1.471	1.424	1.526	5.99
8)		2-Chlorophenol		1.421	1.354	1.434	1.259	1.295	1.284	1.256	1.329	5.63
9)		Benzaldehyde			1.021	0.975	0.778	0.778	0.716		0.853	15.85
10)	C	Phenol		1.708	1.675	1.747	1.536	1.542	1.532	1.496	1.605	6.30
11)		bis(2-Chloroet...		1.287	1.246	1.281	1.144	1.175	1.176	1.127	1.205	5.43
12)		1,3-Dichlorobe...		1.475	1.489	1.538	1.373	1.401	1.401	1.367	1.435	4.59
13)	C	1,4-Dichlorobe...		1.514	1.503	1.548	1.393	1.408	1.420	1.376	1.452	4.71
14)		1,2-Dichlorobe...		1.461	1.417	1.460	1.303	1.315	1.343	1.273	1.367	5.69
15)		Benzyl Alcohol		1.236	1.252	1.322	1.185	1.214	1.246	1.180	1.233	3.91
16)		2,2'-oxybis(1-...		1.591	1.525	1.534	1.363	1.387	1.472	1.313	1.455	7.07
17)		2-Methylphenol		1.080	1.050	1.122	1.008	1.038	1.079	1.021	1.057	3.73
18)		Hexachloroethane		0.545	0.551	0.576	0.517	0.540	0.560	0.522	0.544	3.76
19)	P	n-Nitroso-di-n...	1.020	1.024	1.000	1.043	0.913	0.940	0.991	0.912	0.980	5.29
20)		3+4-Methylphenols		1.449	1.394	1.470	1.294	1.311	1.334	1.223	1.354	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.514	0.493	0.513	0.460	0.450	0.469	0.453	0.479	5.76
23)	S	Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.344	0.363	0.353	0.355	3.47
24)		Nitrobenzene		0.347	0.351	0.375	0.346	0.343	0.359	0.352	0.353	3.07
25)		Isophorone		0.647	0.620	0.655	0.600	0.605	0.648	0.622	0.628	3.49
26)	C	2-Nitrophenol		0.150	0.159	0.182	0.175	0.179	0.188	0.181	0.173	7.88
27)		2,4-Dimethylph...		0.247	0.234	0.251	0.231	0.233	0.244	0.232	0.239	3.45
28)		bis(2-Chloroet...		0.411	0.406	0.416	0.372	0.377	0.397	0.378	0.394	4.63
29)	C	2,4-Dichloroph...		0.292	0.295	0.309	0.286	0.295	0.303	0.294	0.296	2.54
30)		1,2,4-Trichlor...		0.337	0.325	0.342	0.310	0.318	0.333	0.322	0.327	3.50
31)		Naphthalene		1.104	1.075	1.101	0.984	1.001	0.973	0.954	1.027	6.22
32)		Benzoic acid			0.149	0.191	0.208	0.228	0.242	0.241	0.210	17.07
33)		4-Chloroaniline		0.383	0.378	0.393	0.351	0.354	0.352	0.329	0.363	6.14
34)	C	Hexachlorobuta...		0.211	0.211	0.221	0.203	0.214	0.214	0.216	0.213	2.52
35)		Caprolactam		0.092	0.089	0.094	0.084	0.088	0.090	0.094	0.090	4.00
36)	C	4-Chloro-3-met...		0.334	0.331	0.349	0.318	0.329	0.334	0.320	0.331	3.13
37)		2-Methylnaphth...		0.746	0.709	0.733	0.653	0.655	0.667	0.645	0.687	6.09
38)		1-Methylnaphth...		0.717	0.691	0.721	0.623	0.619	0.647	0.620	0.663	6.95

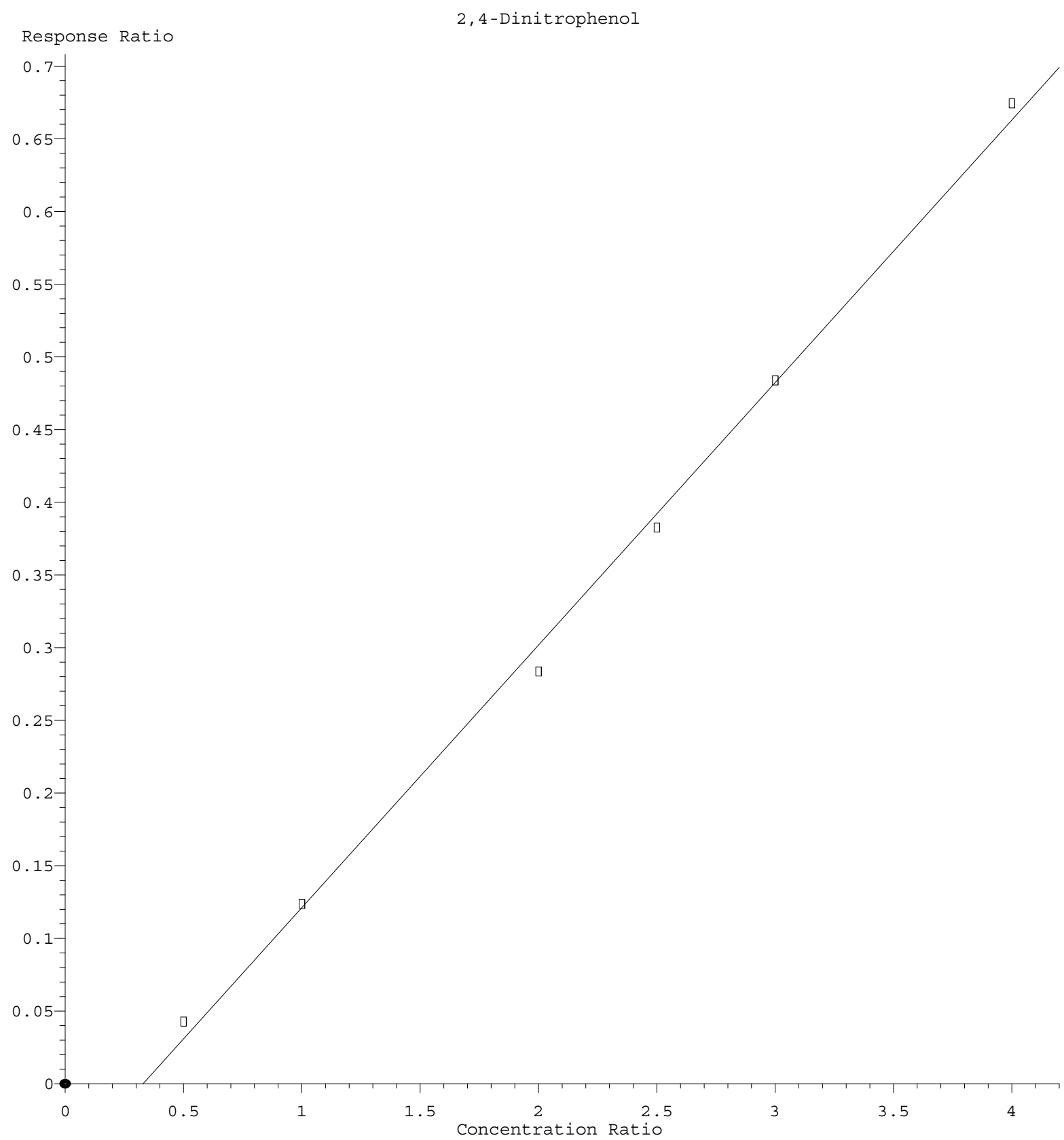
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.604	0.626	0.592	0.597	0.606	0.623	0.609	2.11
41)	P	Hexachlorocycl...	0.204	0.221	0.249	0.250	0.237	0.252	0.256	0.238	8.03
42)	S	2,4,6-Tribromo...	0.234	0.236	0.259	0.250	0.259	0.265	0.272	0.254	5.67
43)	C	2,4,6-Trichlor...	0.388	0.389	0.402	0.398	0.400	0.401	0.409	0.398	1.91
44)		2,4,5-Trichlor...	0.396	0.391	0.422	0.389	0.400	0.415	0.407	0.403	3.05
45)	S	2-Fluorobiphenyl	1.430	1.379	1.379	1.254	1.272	1.246	1.246	1.315	5.95
46)		1,1'-Biphenyl	1.636	1.573	1.591	1.454	1.502	1.431	1.450	1.520	5.29
47)		2-Chloronaphth...	1.197	1.141	1.181	1.091	1.129	1.090	1.100	1.133	3.82
48)		2-Nitroaniline	0.296	0.314	0.346	0.322	0.356	0.332	0.330	0.328	6.08
49)		Acenaphthylene	1.765	1.740	1.778	1.635	1.664	1.595	1.589	1.681	4.74
50)		Dimethylphthalate	1.481	1.414	1.469	1.329	1.425	1.345	1.341	1.401	4.47
51)		2,6-Dinitrotol...	0.277	0.279	0.305	0.285	0.307	0.296	0.292	0.292	4.11
52)	C	Acenaphthene	1.236	1.195	1.231	1.146	1.144	1.165	1.152	1.181	3.37
53)		3-Nitroaniline	0.291	0.295	0.316	0.293	0.283	0.301	0.291	0.296	3.61
54)	P	2,4-Dinitrophenol		0.085	0.124	0.142	0.153	0.161	0.169	0.139	22.02
55)		Dibenzofuran	1.849	1.787	1.791	1.614	1.607	1.596	1.570	1.688	6.87
56)	P	4-Nitrophenol	0.192	0.216	0.234	0.230	0.229	0.230	0.230	0.223	6.60
57)		2,4-Dinitrotol...	0.365	0.382	0.402	0.375	0.383	0.383	0.376	0.381	2.95
58)		Fluorene	1.443	1.361	1.381	1.229	1.243	1.234	1.220	1.302	7.01
59)		2,3,4,6-Tetrac...	0.355	0.365	0.390	0.359	0.364	0.366	0.369	0.367	3.05
60)		Diethylphthalate	1.475	1.471	1.497	1.336	1.357	1.338	1.302	1.397	5.80
61)		4-Chlorophenyl...	0.730	0.688	0.702	0.643	0.664	0.656	0.667	0.679	4.41
62)		4-Nitroaniline	0.284	0.288	0.304	0.288	0.287	0.286	0.278	0.288	2.73
63)		Azobenzene	1.392	1.363	1.404	1.245	1.261	1.226	1.197	1.298	6.57
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.083	0.111	0.121	0.130	0.133	0.137	0.119	16.61
66)	c	n-Nitrosodiphe...	0.675	0.651	0.671	0.620	0.638	0.638	0.637	0.647	3.03
67)		4-Bromophenyl-...	0.240	0.249	0.255	0.244	0.263	0.245	0.262	0.251	3.55
68)		Hexachlorobenzene	0.262	0.267	0.284	0.269	0.283	0.271	0.292	0.275	3.92
69)		Atrazine	0.216	0.213	0.193	0.164	0.206			0.198	10.72
70)	C	Pentachlorophenol	0.130	0.151	0.172	0.177	0.180	0.186	0.191	0.170	12.66
71)		Phenanthrene	1.155	1.151	1.138	1.038	1.026	1.032	1.023	1.080	5.90
72)		Anthracene	1.173	1.139	1.139	1.046	1.026	1.036	1.026	1.084	5.89
73)		Carbazole	0.996	0.994	0.985	0.908	0.903	0.892	0.864	0.935	5.91
74)		Di-n-butylphth...	1.320	1.321	1.319	1.177	1.238	1.175	1.132	1.240	6.50
75)	C	Fluoranthene	1.234	1.226	1.228	1.108	1.148	1.059	1.017	1.146	7.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.347	0.309	0.190	0.360	0.220	0.275	0.252	0.279	22.73
78)		Pyrene	1.695	1.651	1.727	1.611	1.877	1.823	1.726	1.730	5.38
79)	S	Terphenyl-d14	1.343	1.309	1.360	1.276	1.380	1.417	1.384	1.353	3.56
80)		Butylbenzylpht...	0.629	0.656	0.702	0.655	0.703	0.717	0.677	0.677	4.72
81)		Benzo(a)anthra...	1.370	1.304	1.334	1.273	1.294	1.317	1.294	1.312	2.41
82)		3,3'-Dichlorob...	0.370	0.389	0.380	0.372	0.365	0.394	0.384	0.379	2.78
83)		Chrysene	1.143	1.194	1.260	1.136	1.192	1.213	1.189	1.190	3.53
84)		Bis(2-ethylhex...	0.897	0.912	0.966	0.904	0.978	0.952	0.927	0.934	3.43
85)	c	Di-n-octyl pht...	1.145	1.219	1.338	1.265	1.376	1.390	1.361	1.299	7.10

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.097	1.142	1.308	1.287	1.322	1.472	1.429	1.294	10.60
88)		Benzo(b)fluora...	1.420	1.310	1.485	1.210	1.346	1.390	1.434	1.371	6.65
89)		Benzo(k)fluora...	1.162	1.268	1.197	1.205	1.129	1.210	1.041	1.173	6.16
90)	C	Benzo(a)pyrene	1.040	1.042	1.123	1.036	1.083	1.083	1.101	1.073	3.16
91)		Dibenzo(a,h)an...	0.910	0.953	1.073	1.068	1.095	1.195	1.178	1.067	9.91
92)		Benzo(g,h,i)pe...	0.912	0.949	1.061	1.065	1.064	1.167	1.167	1.055	9.24

(#) = Out of Range



Response = 1.805e-001 * Amt - 5.933e-002
Coef of Det (r^2) = 0.997436 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8250_BF1025.M
Calibration Table Last Updated: Mon Mar 10 15:46:22 2025

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 05:55:58 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024160.D 5 =BP024161.D 10 =BP024162.D 20 =BP024163.D 40 =BP024164.D 50 =BP024165.D 60 =BP024166.D 80 =BP0241
67.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.503	0.499	0.518	0.469	0.496	0.498	0.493	0.497	2.93
3)		Pyridine		1.296	1.269	1.406	1.311	1.396	1.398	1.429	1.358	4.69
4)		n-Nitrosodimet...		0.444	0.436	0.476	0.431	0.461	0.466	0.461	0.454	3.66
5)	S	2-Fluorophenol		1.158	1.194	1.307	1.211	1.291	1.307	1.303	1.253	5.06
6)		Aniline		1.508	1.531	1.656	1.484	1.548	1.512	1.447	1.527	4.31
7)	S	Phenol-d6		1.518	1.581	1.747	1.631	1.749	1.754	1.748	1.675	5.86
8)		2-Chlorophenol		1.257	1.310	1.413	1.306	1.391	1.400	1.397	1.353	4.52
9)		Benzaldehyde		0.971	0.949	0.930	0.780	0.751	0.702	0.577	0.809	18.20
10)	C	Phenol		1.579	1.632	1.754	1.628	1.744	1.752	1.751	1.691	4.46
11)		bis(2-Chloroet...		1.286	1.317	1.407	1.273	1.341	1.358	1.356	1.334	3.45
12)		1,3-Dichlorobe...		1.466	1.448	1.522	1.387	1.477	1.471	1.445	1.459	2.79
13)	C	1,4-Dichlorobe...		1.507	1.474	1.562	1.413	1.493	1.503	1.479	1.490	3.01
14)		1,2-Dichlorobe...		1.446	1.426	1.494	1.358	1.435	1.440	1.411	1.430	2.85
15)		Benzyl Alcohol		0.934	0.966	1.096	1.042	1.122	1.126	1.139	1.061	7.77
16)		2,2'-oxybis(1-...		1.374	1.367	1.434	1.293	1.365	1.362	1.336	1.361	3.11
17)		2-Methylphenol		0.932	0.997	1.120	1.038	1.116	1.113	1.109	1.061	6.96
18)		Hexachloroethane		0.533	0.512	0.547	0.508	0.533	0.538	0.529	0.529	2.67
19)	P	n-Nitroso-di-n...	0.869	0.910	0.956	1.048	0.962	1.026	1.007	0.997	0.972	6.18
20)		3+4-Methylphenols		1.265	1.360	1.530	1.433	1.547	1.530	1.534	1.457	7.50
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.483	0.490	0.531	0.496	0.508	0.519	0.512	0.506	3.37
23)	S	Nitrobenzene-d5		0.330	0.338	0.366	0.351	0.362	0.368	0.367	0.354	4.34
24)		Nitrobenzene		0.330	0.336	0.362	0.341	0.355	0.363	0.361	0.350	3.88
25)		Isophorone		0.532	0.562	0.631	0.602	0.635	0.642	0.649	0.608	7.33
26)	C	2-Nitrophenol		0.126	0.141	0.167	0.171	0.182	0.189	0.192	0.167	14.92
27)		2,4-Dimethylph...		0.186	0.198	0.220	0.215	0.223	0.229	0.232	0.215	7.94
28)		bis(2-Chloroet...		0.414	0.418	0.438	0.418	0.429	0.437	0.439	0.427	2.55
29)	C	2,4-Dichloroph...		0.237	0.263	0.298	0.296	0.306	0.314	0.319	0.291	10.21
30)		1,2,4-Trichlor...		0.310	0.312	0.329	0.312	0.322	0.331	0.331	0.321	2.94
31)		Naphthalene		1.041	1.037	1.099	1.029	1.069	1.078	1.069	1.060	2.38
32)		Benzoic acid			0.148	0.190	0.218	0.239	0.252		0.209	19.82
33)		4-Chloroaniline		0.344	0.356	0.397	0.377	0.394	0.389	0.398	0.379	5.63
34)	C	Hexachlorobuta...		0.177	0.178	0.187	0.180	0.187	0.192	0.191	0.185	3.36
35)		Caprolactam		0.072	0.079	0.097	0.097	0.107	0.104	0.111	0.095	15.56
36)	C	4-Chloro-3-met...		0.261	0.283	0.324	0.314	0.333	0.332	0.348	0.313	9.83
37)		2-Methylnaphth...		0.689	0.684	0.737	0.704	0.731	0.734	0.735	0.716	3.27
38)		1-Methylnaphth...		0.674	0.673	0.728	0.673	0.704	0.705	0.720	0.697	3.32

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.548	0.560	0.596	0.558	0.580	0.608	0.596	0.578	3.98
41)	P	Hexachlorocycl...	0.169	0.189	0.214	0.212	0.220	0.234	0.222	0.208	10.65
42)	S	2,4,6-Tribromo...	0.203	0.222	0.256	0.252	0.270	0.275	0.285	0.252	11.69
43)	C	2,4,6-Trichlor...	0.291	0.324	0.379	0.372	0.391	0.409	0.406	0.367	11.98
44)		2,4,5-Trichlor...	0.331	0.362	0.414	0.409	0.422	0.439	0.443	0.403	10.23
45)	S	2-Fluorobiphenyl	1.364	1.358	1.420	1.319	1.335	1.367	1.332	1.356	2.44
46)		1,1'-Biphenyl	1.467	1.475	1.566	1.462	1.493	1.536	1.521	1.503	2.60
47)		2-Chloronaphth...	1.108	1.100	1.180	1.095	1.115	1.164	1.152	1.130	3.01
48)		2-Nitroaniline	0.228	0.252	0.300	0.292	0.311	0.317	0.324	0.289	12.34
49)		Acenaphthylene	1.586	1.628	1.776	1.661	1.749	1.789	1.784	1.710	4.91
50)		Dimethylphthalate	1.351	1.349	1.459	1.358	1.417	1.424	1.439	1.399	3.27
51)		2,6-Dinitrotol...	0.248	0.266	0.303	0.294	0.312	0.316	0.322	0.294	9.40
52)	C	Acenaphthene	1.057	1.056	1.136	1.061	1.096	1.123	1.121	1.093	3.18
53)		3-Nitroaniline	0.253	0.276	0.328	0.322	0.344	0.343	0.359	0.318	12.24
54)	P	2,4-Dinitrophenol		0.108	0.146	0.160	0.179	0.186		0.156	19.97
55)		Dibenzofuran	1.759	1.751	1.835	1.711	1.768	1.799	1.769	1.770	2.18
56)	P	4-Nitrophenol	0.187	0.218	0.271	0.277	0.299	0.296	0.312	0.266	17.41
57)		2,4-Dinitrotol...	0.295	0.334	0.400	0.394	0.423	0.431	0.446	0.389	14.19
58)		Fluorene	1.309	1.343	1.442	1.345	1.407	1.407	1.402	1.379	3.43
59)		2,3,4,6-Tetrac...	0.316	0.323	0.365	0.356	0.371	0.376	0.386	0.356	7.54
60)		Diethylphthalate	1.297	1.336	1.437	1.358	1.422	1.435	1.469	1.394	4.53
61)		4-Chlorophenyl...	0.658	0.660	0.696	0.658	0.685	0.689	0.690	0.676	2.53
62)		4-Nitroaniline	0.246	0.292	0.348	0.343	0.362	0.365	0.379	0.334	14.22
63)		Azobenzene	1.215	1.251	1.369	1.291	1.341	1.363	1.365	1.314	4.73
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.085	0.111	0.120	0.127	0.132	0.137	0.119	15.85
66)	c	n-Nitrosodiphe...	0.564	0.583	0.629	0.600	0.617	0.632	0.626	0.607	4.27
67)		4-Bromophenyl-...	0.206	0.207	0.222	0.217	0.224	0.229	0.231	0.220	4.60
68)		Hexachlorobenzene	0.248	0.249	0.263	0.254	0.263	0.270	0.272	0.260	3.76
69)		Atrazine	0.165	0.171	0.157	0.135	0.105			0.147	18.49
70)	C	Pentachlorophenol	0.121	0.140	0.166	0.177	0.184	0.190	0.197	0.168	16.61
71)		Phenanthrene	1.068	1.059	1.126	1.083	1.100	1.111	1.102	1.093	2.19
72)		Anthracene	0.993	1.012	1.101	1.063	1.092	1.090	1.098	1.064	4.16
73)		Carbazole	0.920	0.975	1.060	1.041	1.060	1.061	1.066	1.026	5.50
74)		Di-n-butylphth...	1.026	1.121	1.247	1.260	1.272	1.297	1.304	1.218	8.57
75)	C	Fluoranthene	1.173	1.220	1.287	1.264	1.305	1.298	1.312	1.265	4.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.222	0.199	0.178	0.258	0.173	0.278	0.222	0.219	17.88
78)		Pyrene	1.177	1.190	1.299	1.204	1.266	1.293	1.274	1.243	4.12
79)	S	Terphenyl-d14	0.967	0.973	1.033	0.948	0.966	0.971	0.924	0.969	3.45
80)		Butylbenzylpht...	0.399	0.441	0.513	0.524	0.554	0.581	0.576	0.513	13.49
81)		Benzo(a)anthra...	1.194	1.194	1.291	1.208	1.261	1.285	1.271	1.243	3.47
82)		3,3'-Dichlorob...	0.340	0.369	0.429	0.428	0.434	0.467	0.450	0.417	10.94
83)		Chrysene	1.185	1.159	1.224	1.158	1.212	1.220	1.209	1.195	2.36
84)		Bis(2-ethylhex...	0.613	0.678	0.784	0.792	0.819	0.878	0.851	0.774	12.30
85)	c	Di-n-octyl pht...	0.922	1.033	1.224	1.272	1.357	1.435	1.433	1.240	15.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.274	1.289	1.421	1.366	1.442	1.479	1.499	1.396	6.38
88)		Benzo(b)fluora...	1.103	1.116	1.258	1.190	1.244	1.266	1.264	1.206	5.85
89)		Benzo(k)fluora...	1.092	1.136	1.213	1.130	1.203	1.251	1.232	1.180	5.07
90)	C	Benzo(a)pyrene	0.953	0.959	1.065	1.029	1.094	1.119	1.122	1.049	6.77
91)		Dibenzo(a,h)an...	1.063	1.083	1.184	1.137	1.191	1.226	1.244	1.161	5.97
92)		Benzo(g,h,i)pe...	1.097	1.107	1.199	1.154	1.202	1.246	1.259	1.180	5.39

(#) = Out of Range

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: BNA_F Calibration Date/Time: 03/17/2025 09:39

Lab File ID: BF141973.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.143		-4.6	
Benzaldehyde	0.853	0.698		-18.2	
Phenol-d6	1.526	1.395		-8.6	
Phenol	1.605	1.465		-8.7	20.0
bis(2-Chloroethyl)ether	1.205	1.072		-11.0	
2-Chlorophenol	1.329	1.240		-6.7	
2-Methylphenol	1.057	0.929		-12.1	
2,2-oxybis(1-Chloropropane)	1.455	1.194		-17.9	
Acetophenone	0.479	0.453		-5.4	
3+4-Methylphenols	1.354	1.184		-12.6	
n-Nitroso-di-n-propylamine	0.980	0.794	0.050	-19.0	
Nitrobenzene-d5	0.355	0.342		-3.7	
Hexachloroethane	0.544	0.502		-7.7	
Nitrobenzene	0.353	0.337		-4.5	
Isophorone	0.628	0.555		-11.6	
2-Nitrophenol	0.173	0.173		0.0	20.0
2,4-Dimethylphenol	0.239	0.219		-8.4	
bis(2-Chloroethoxy)methane	0.394	0.352		-10.7	
2,4-Dichlorophenol	0.296	0.281		-5.1	20.0
Naphthalene	1.027	0.987		-3.9	
4-Chloroaniline	0.363	0.328		-9.6	
Hexachlorobutadiene	0.213	0.209		-1.9	20.0
Caprolactam	0.090	0.076		-15.6	
4-Chloro-3-methylphenol	0.331	0.296		-10.6	20.0
2-Methylnaphthalene	0.687	0.632		-8.0	
Hexachlorocyclopentadiene	0.238	0.242	0.050	1.7	
2,4,6-Trichlorophenol	0.398	0.397		-0.3	20.0
2-Fluorobiphenyl	1.315	1.326		0.8	
2,4,5-Trichlorophenol	0.403	0.397		-1.5	
1,1-Biphenyl	1.520	1.526		0.4	
2-Chloronaphthalene	1.133	1.123		-0.9	
2-Nitroaniline	0.328	0.310		-5.5	
Dimethylphthalate	1.401	1.315		-6.1	
Acenaphthylene	1.681	1.647		-2.0	
2,6-Dinitrotoluene	0.292	0.281		-3.8	
3-Nitroaniline	0.296	0.280		-5.4	
Acenaphthene	1.181	1.164		-1.4	20.0
2,4-Dinitrophenol	0.139	0.138	0.050	-0.7	
4-Nitrophenol	0.223	0.220	0.050	-1.3	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: BNA_F Calibration Date/Time: 03/17/2025 09:39

Lab File ID: BF141973.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.612		-4.5	
2,4-Dinitrotoluene	0.381	0.363		-4.7	
Diethylphthalate	1.397	1.280		-8.4	
4-Chlorophenyl-phenylether	0.679	0.653		-3.8	
Fluorene	1.302	1.247		-4.2	
4-Nitroaniline	0.288	0.271		-5.9	
4,6-Dinitro-2-methylphenol	0.119	0.121		1.7	
n-Nitrosodiphenylamine	0.647	0.639		-1.2	20.0
2,4,6-Tribromophenol	0.254	0.242		-4.7	
4-Bromophenyl-phenylether	0.251	0.248		-1.2	
Hexachlorobenzene	0.275	0.277		0.7	
Atrazine	0.198	0.174		-12.1	
Pentachlorophenol	0.170	0.175		2.9	20.0
Phenanthrene	1.080	1.047		-3.1	
Anthracene	1.084	1.060		-2.3	
Carbazole	0.935	0.886		-5.2	
Di-n-butylphthalate	1.240	1.152		-7.1	
Fluoranthene	1.146	1.043		-9.0	20.0
Pyrene	1.730	1.469		-15.1	
Terphenyl-d14	1.353	1.154		-14.7	
Butylbenzylphthalate	0.677	0.594		-12.3	
3,3-Dichlorobenzidine	0.379	0.427		12.7	
Benzo(a)anthracene	1.312	1.239		-5.6	
Chrysene	1.190	1.192		0.2	
Bis(2-ethylhexyl)phthalate	0.934	0.858		-8.1	
Di-n-octyl phthalate	1.299	1.464		12.7	20.0
Benzo(b)fluoranthene	1.371	1.109		-19.1	
Benzo(k)fluoranthene	1.173	1.101		-6.1	
Benzo(a)pyrene	1.073	1.006		-6.2	20.0
Indeno(1,2,3-cd)pyrene	1.294	1.403		8.4	
Dibenzo(a,h)anthracene	1.067	1.162		8.9	
Benzo(g,h,i)perylene	1.055	1.184		12.2	
1,2,4,5-Tetrachlorobenzene	0.609	0.630		3.4	
1,4-Dioxane	0.502	0.490		-2.4	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.353		-3.8	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: BNA_P Calibration Date/Time: 03/18/2025 09:46

Lab File ID: BP024179.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.253	1.217		-2.9	
Benzaldehyde	0.809	0.676		-16.4	
Phenol-d6	1.675	1.667		-0.5	
Phenol	1.691	1.667		-1.4	20.0
bis(2-Chloroethyl)ether	1.334	1.303		-2.3	
2-Chlorophenol	1.353	1.312		-3.0	
2-Methylphenol	1.061	1.057		-0.4	
2,2-oxybis(1-Chloropropane)	1.361	1.381		1.5	
Acetophenone	0.506	0.499		-1.4	
3+4-Methylphenols	1.457	1.457		0.0	
n-Nitroso-di-n-propylamine	0.972	1.009	0.050	3.8	
Nitrobenzene-d5	0.354	0.354		0.0	
Hexachloroethane	0.529	0.513		-3.0	
Nitrobenzene	0.350	0.348		-0.6	
Isophorone	0.608	0.611		0.5	
2-Nitrophenol	0.167	0.167		0.0	20.0
2,4-Dimethylphenol	0.215	0.211		-1.9	
bis(2-Chloroethoxy)methane	0.427	0.426		-0.2	
2,4-Dichlorophenol	0.291	0.291		0.0	20.0
Naphthalene	1.060	1.026		-3.2	
4-Chloroaniline	0.379	0.383		1.1	
Hexachlorobutadiene	0.185	0.177		-4.3	20.0
Caprolactam	0.095	0.100		5.3	
4-Chloro-3-methylphenol	0.313	0.322		2.9	20.0
2-Methylnaphthalene	0.716	0.714		-0.3	
Hexachlorocyclopentadiene	0.208	0.203	0.050	-2.4	
2,4,6-Trichlorophenol	0.367	0.359		-2.2	20.0
2-Fluorobiphenyl	1.356	1.320		-2.7	
2,4,5-Trichlorophenol	0.403	0.402		-0.2	
1,1-Biphenyl	1.503	1.456		-3.1	
2-Chloronaphthalene	1.130	1.087		-3.8	
2-Nitroaniline	0.289	0.301		4.2	
Dimethylphthalate	1.399	1.368		-2.2	
Acenaphthylene	1.710	1.690		-1.2	
2,6-Dinitrotoluene	0.294	0.293		-0.3	
3-Nitroaniline	0.318	0.331		4.1	
Acenaphthene	1.093	1.065		-2.6	20.0
2,4-Dinitrophenol	0.156	0.161	0.050	3.2	
4-Nitrophenol	0.266	0.281	0.050	5.6	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: BNA_P Calibration Date/Time: 03/18/2025 09:46

Lab File ID: BP024179.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.741		-1.6	
2,4-Dinitrotoluene	0.389	0.401		3.1	
Diethylphthalate	1.394	1.408		1.0	
4-Chlorophenyl-phenylether	0.676	0.671		-0.7	
Fluorene	1.379	1.385		0.4	
4-Nitroaniline	0.334	0.352		5.4	
4,6-Dinitro-2-methylphenol	0.119	0.117		-1.7	
n-Nitrosodiphenylamine	0.607	0.600		-1.2	20.0
2,4,6-Tribromophenol	0.252	0.254		0.8	
4-Bromophenyl-phenylether	0.220	0.212		-3.6	
Hexachlorobenzene	0.260	0.250		-3.8	
Atrazine	0.147	0.131		-10.9	
Pentachlorophenol	0.168	0.172		2.4	20.0
Phenanthrene	1.093	1.063		-2.7	
Anthracene	1.064	1.047		-1.6	
Carbazole	1.026	1.032		0.6	
Di-n-butylphthalate	1.218	1.253		2.9	
Fluoranthene	1.265	1.284		1.5	20.0
Pyrene	1.243	1.202		-3.3	
Terphenyl-d14	0.969	0.961		-0.8	
Butylbenzylphthalate	0.513	0.508		-1.0	
3,3-Dichlorobenzidine	0.417	0.422		1.2	
Benzo(a)anthracene	1.243	1.219		-1.9	
Chrysene	1.195	1.150		-3.8	
Bis(2-ethylhexyl)phthalate	0.774	0.793		2.5	
Di-n-octyl phthalate	1.240	1.245		0.4	20.0
Benzo(b)fluoranthene	1.206	1.185		-1.7	
Benzo(k)fluoranthene	1.180	1.161		-1.6	
Benzo(a)pyrene	1.049	1.027		-2.1	20.0
Indeno(1,2,3-cd)pyrene	1.396	1.357		-2.8	
Dibenzo(a,h)anthracene	1.161	1.123		-3.3	
Benzo(g,h,i)perylene	1.180	1.148		-2.7	
1,2,4,5-Tetrachlorobenzene	0.578	0.548		-5.2	
1,4-Dioxane	0.497	0.477		-4.0	20.0
2,3,4,6-Tetrachlorophenol	0.356	0.353		-0.8	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141982.D
Acq On : 17 Mar 2025 15:29
Operator : RC/JU
Sample : Q1574-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Time: Mar 25 16:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

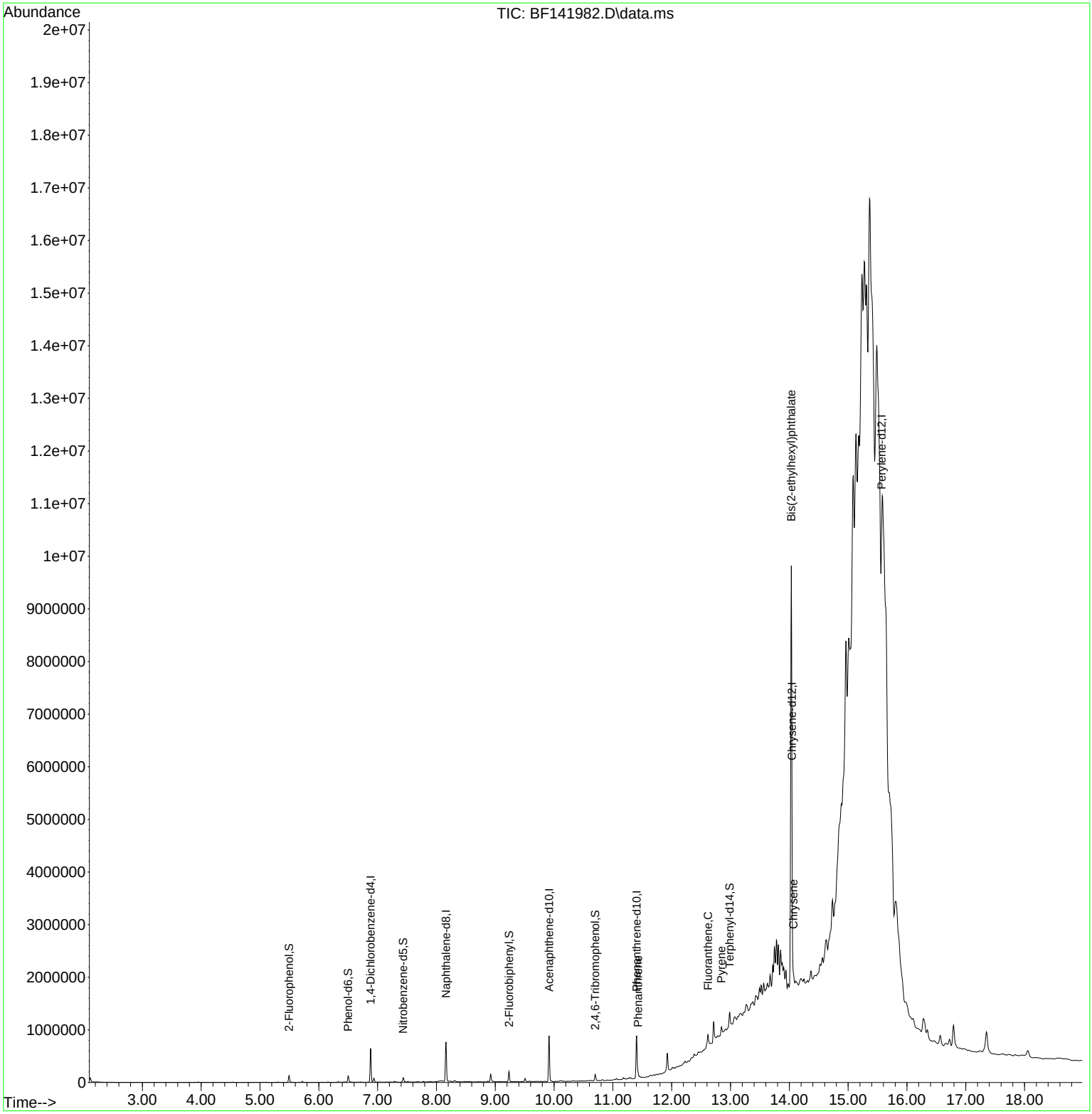
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	134820	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	482604	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	242342	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	413517	20.000	ng		0.00
76) Chrysene-d12	14.045	240	298547	20.000	ng		0.00
86) Perylene-d12	15.569	264	246126	20.000	ng		0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	52902	6.549	ng		0.00
7) Phenol-d6	6.498	99	63864	6.209	ng		0.00
23) Nitrobenzene-d5	7.434	82	40431	4.715	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	19673	6.399	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	86625	5.436	ng		0.00
79) Terphenyl-d14	12.986	244	105058	5.203	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.428	178	68457	3.065	ng		99
75) Fluoranthene	12.616	202	116131	4.902	ng		98
78) Pyrene	12.845	202	87760	3.398	ng		96
83) Chrysene	14.069	228	57899	3.260	ng	#	91
84) Bis(2-ethylhexyl)phtha...	14.033	149	3530429	253.322	ng	#	94

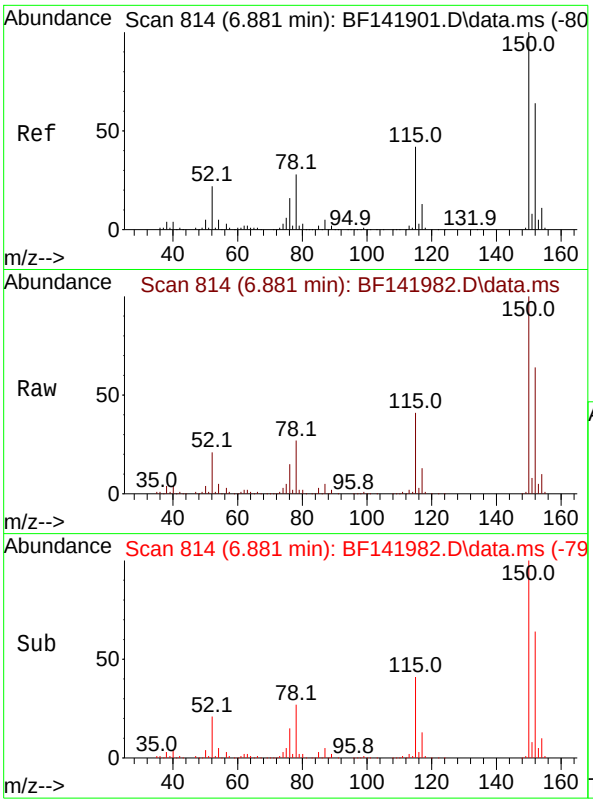
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141982.D
Acq On : 17 Mar 2025 15:29
Operator : RC/JU
Sample : Q1574-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1

Quant Time: Mar 25 16:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



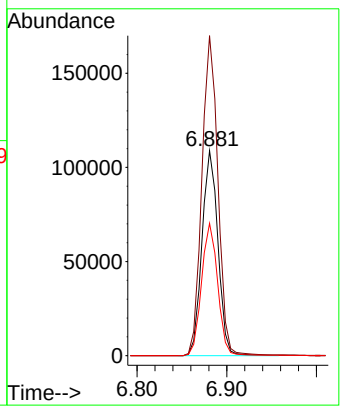


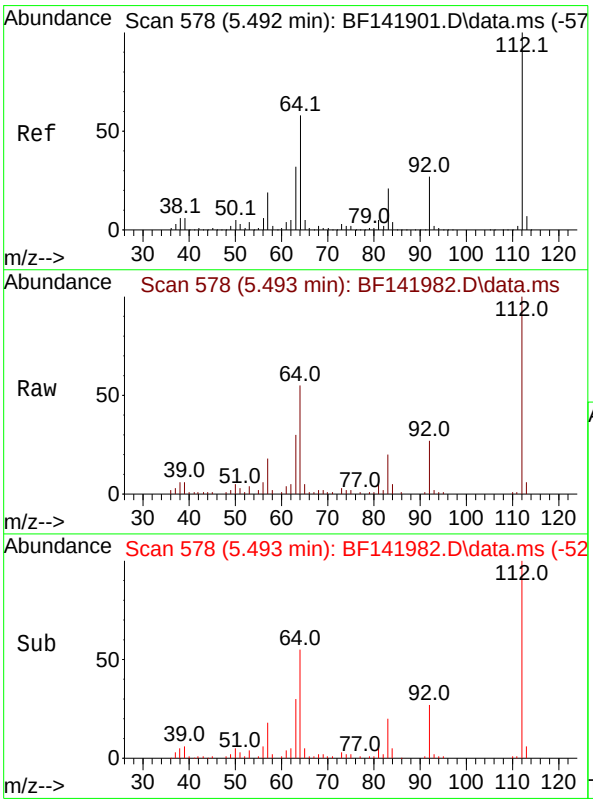
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:152 Resp: 134820

Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.4	191.2
115	64.6	51.9	77.9

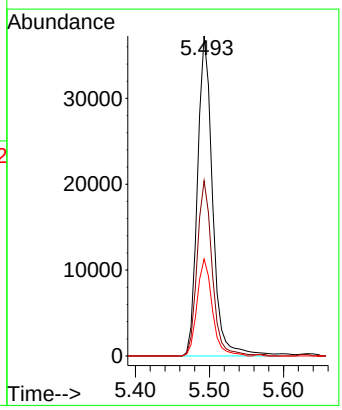


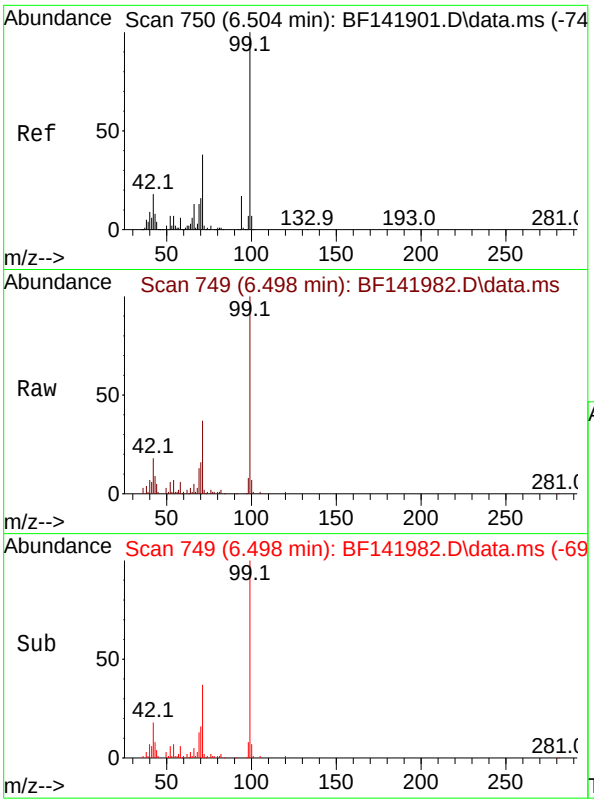


#5
2-Fluorophenol
Concen: 6.549 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion:112 Resp: 52902

Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.5	69.7
63	30.3	25.4	38.2



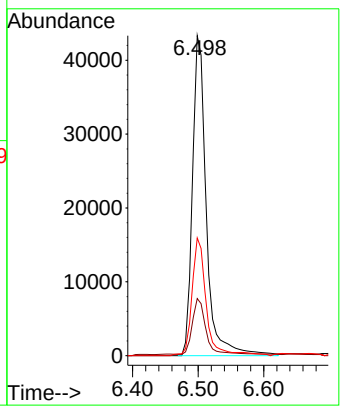


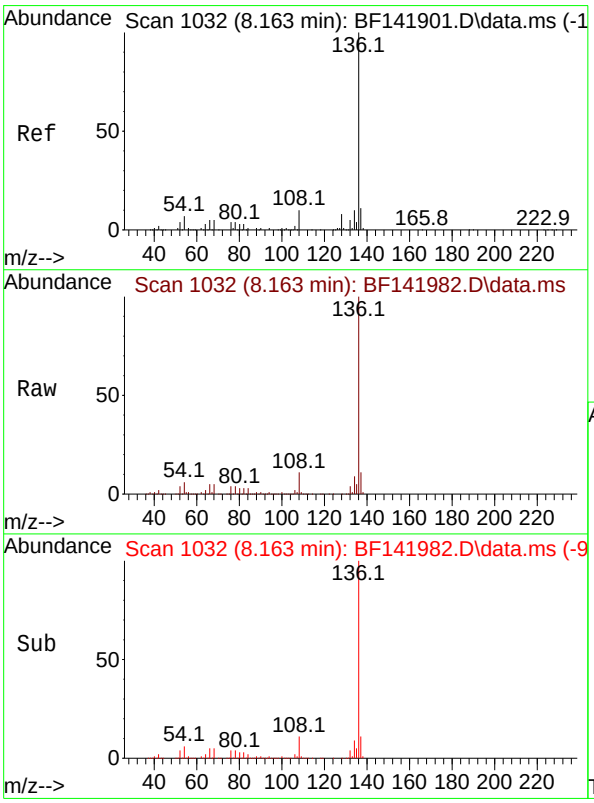
#7
Phenol-d6
Concen: 6.209 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion: 99 Resp: 63864

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.6	21.8
71	36.8	30.8	46.2

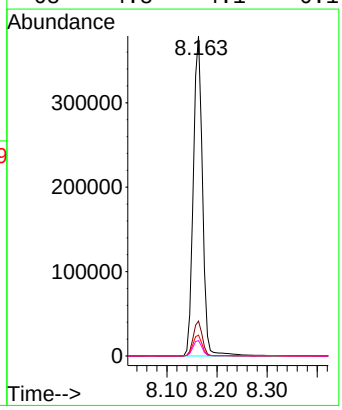


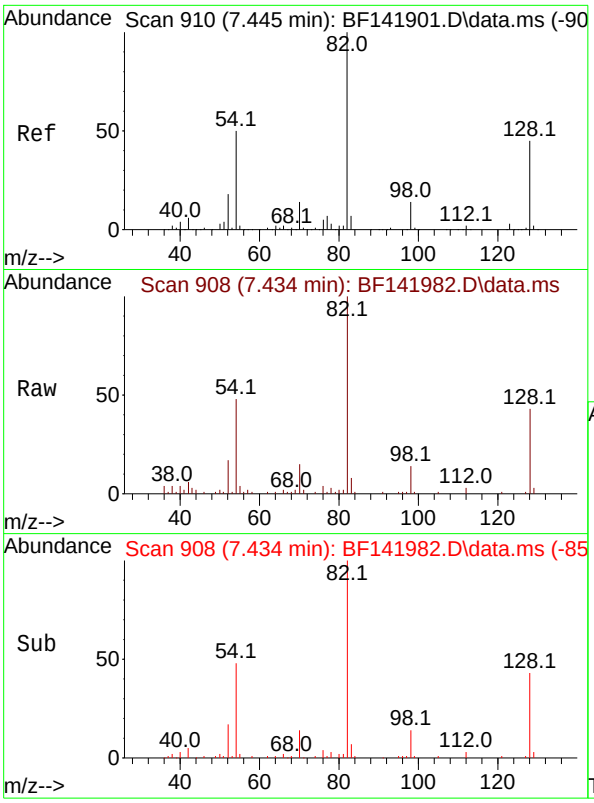


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion:136 Resp: 482604

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.5	5.8	8.8
68	4.8	4.1	6.1



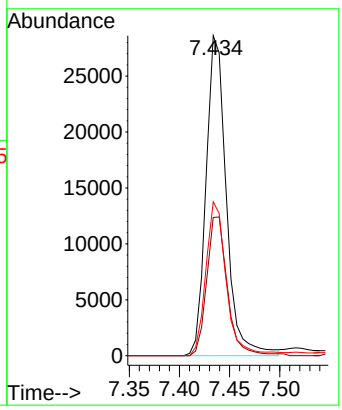


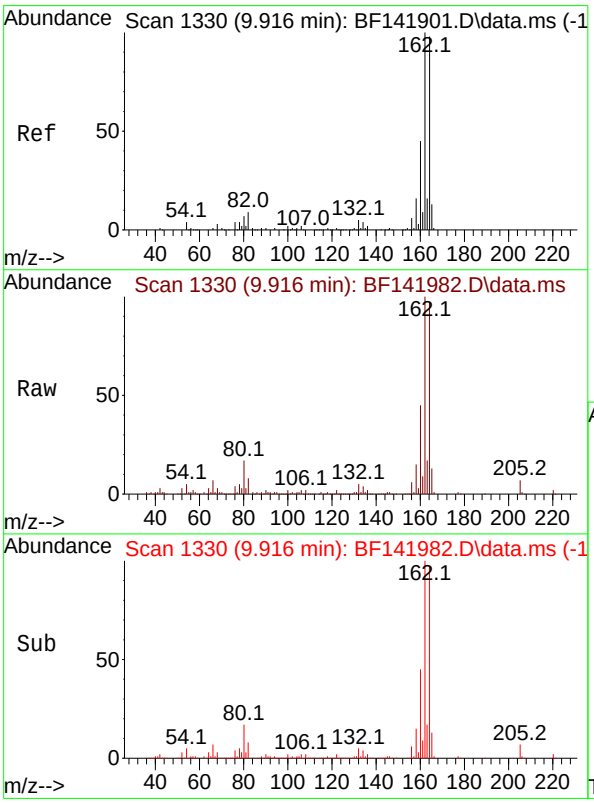
#23
Nitrobenzene-d5
Concen: 4.715 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion: 82 Resp: 40431

Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.0	54.0
54	48.1	39.6	59.4

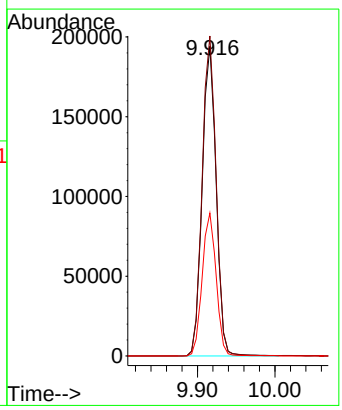


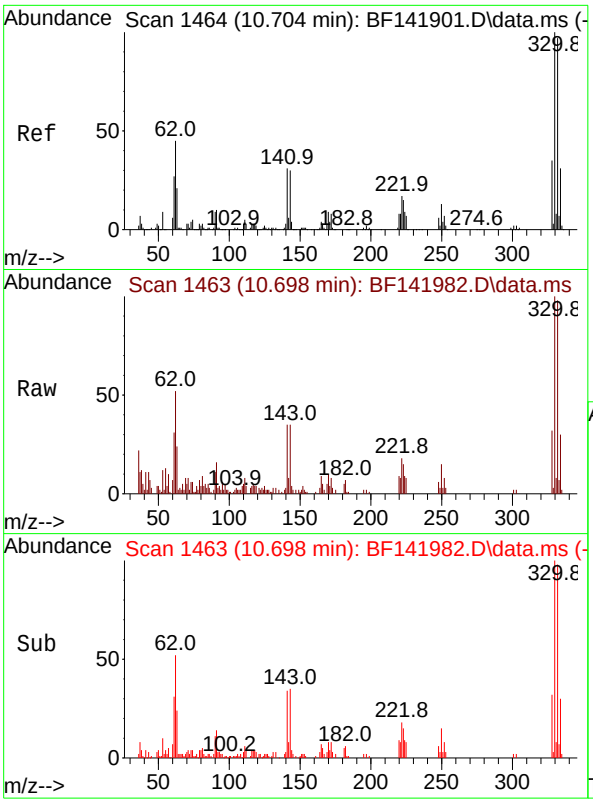


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion:164 Resp: 242342

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.8	122.6
160	46.2	36.7	55.1



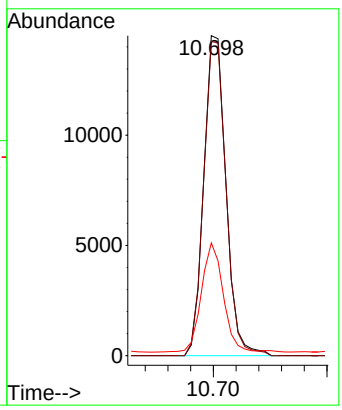


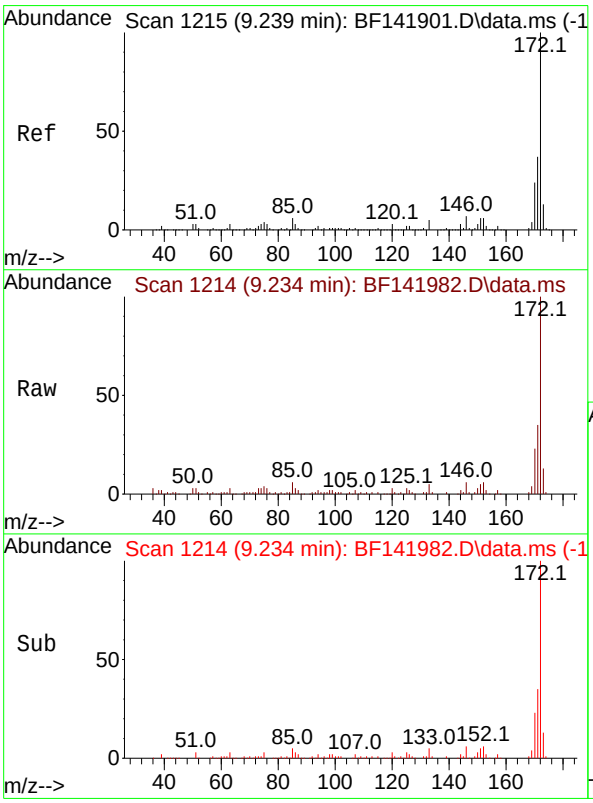
#42
2,4,6-Tribromophenol
Concen: 6.399 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:330 Resp: 19673

Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.6	116.4
141	35.4	24.7	37.1

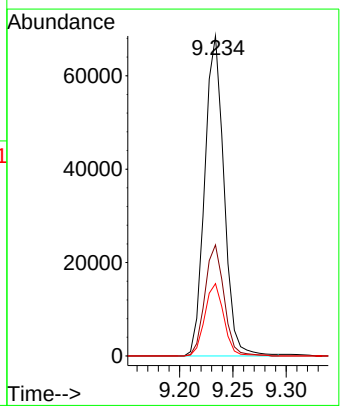


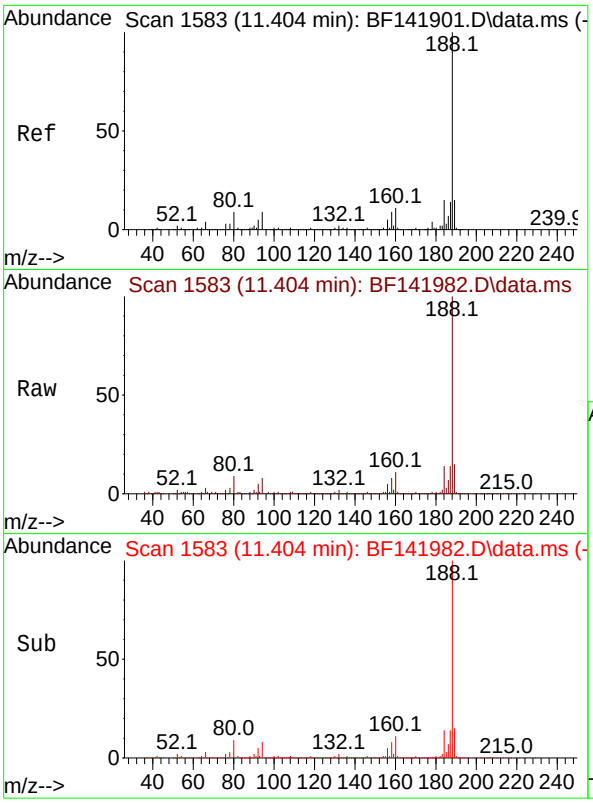


#45
2-Fluorobiphenyl
Concen: 5.436 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion:172 Resp: 86625

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.3	43.9
170	22.6	19.4	29.0



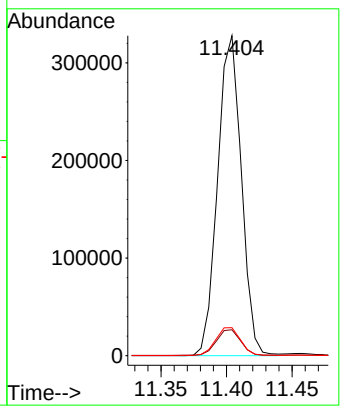


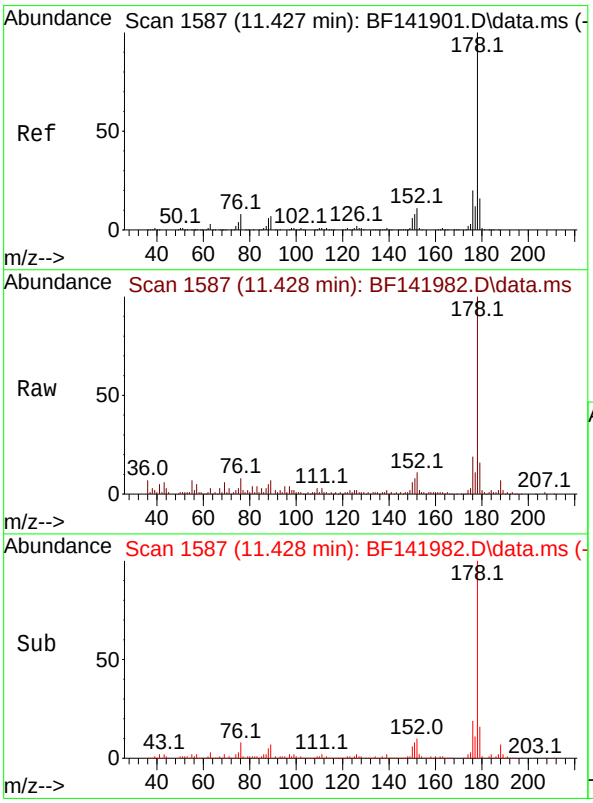
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:188 Resp: 413517

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.8	10.2
80	8.7	7.6	11.4

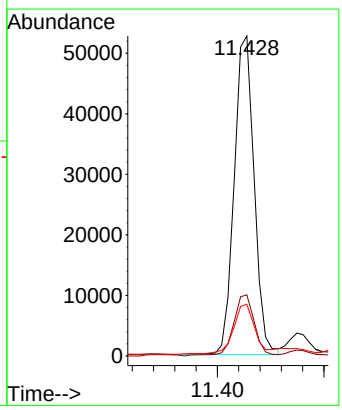


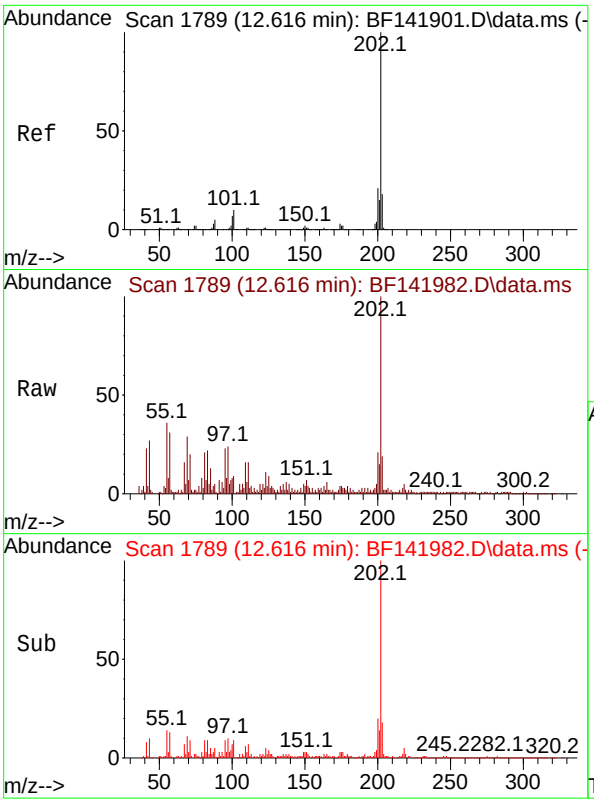


#71
Phenanthrene
Concen: 3.065 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion:178 Resp: 68457

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.2	12.6	19.0



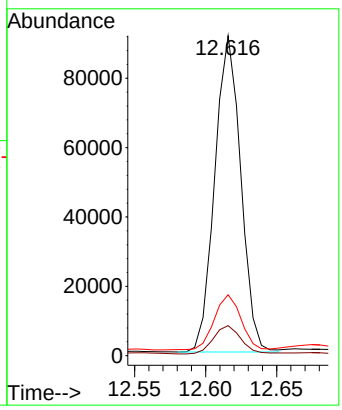


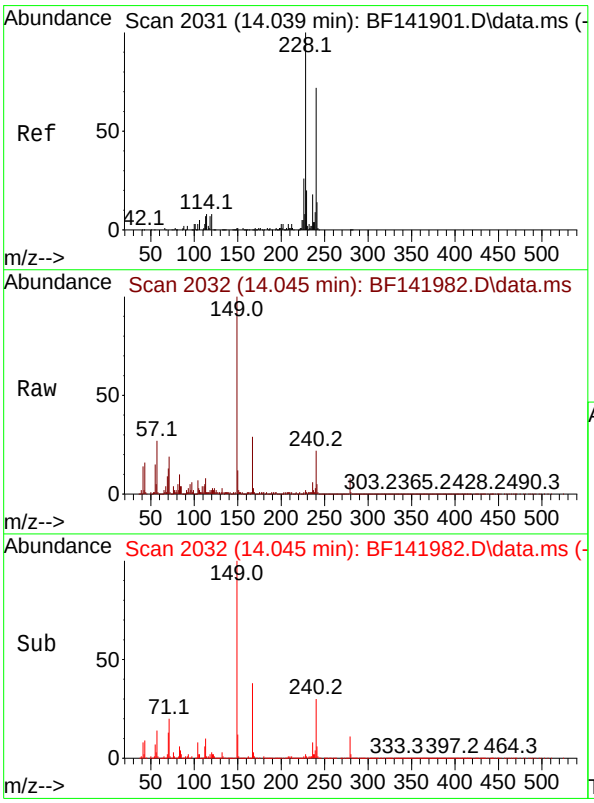
#75
Fluoranthene
Concen: 4.902 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:202 Resp: 116131

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	19.0	0.0	37.8

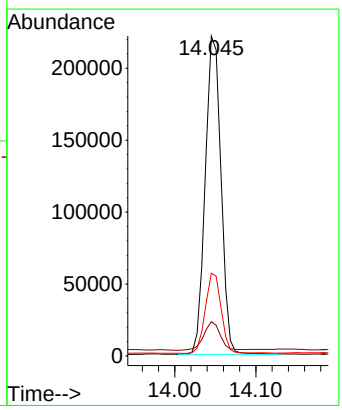


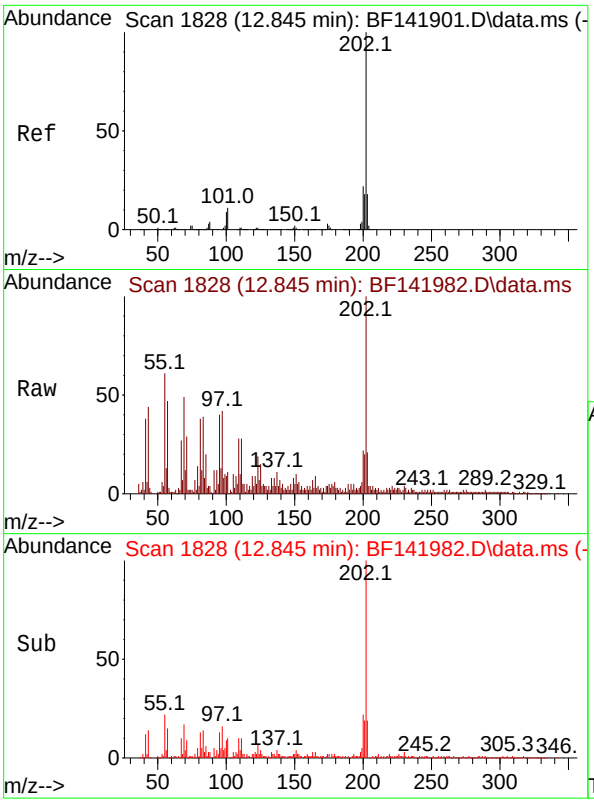


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion:240 Resp: 298547

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.4	12.6
236	25.9	20.5	30.7



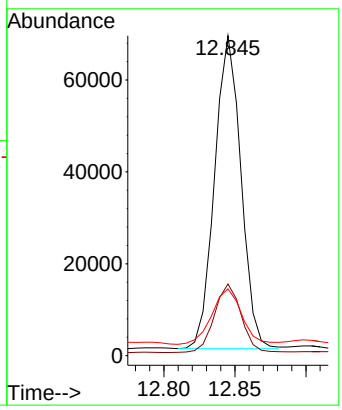


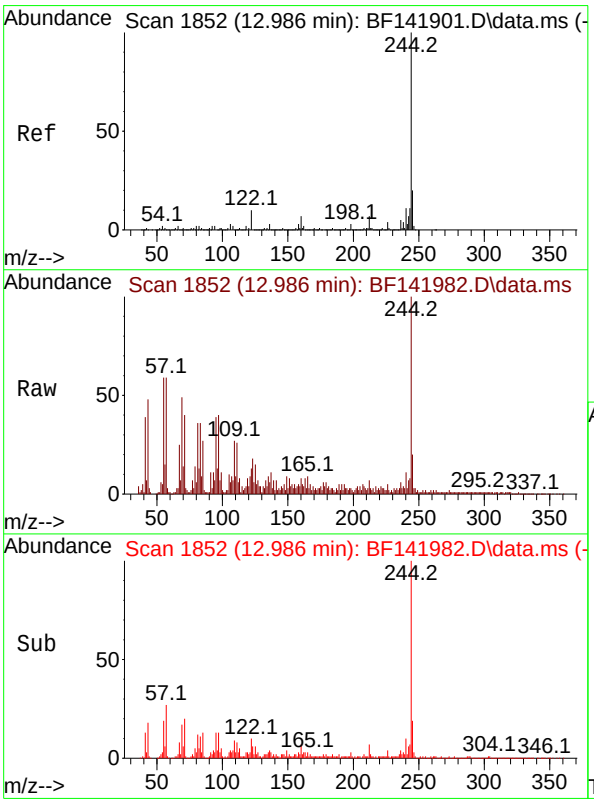
#78
Pyrene
Concen: 3.398 ng
RT: 12.845 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:202 Resp: 87760

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.3	25.9
203	20.9	14.4	21.6

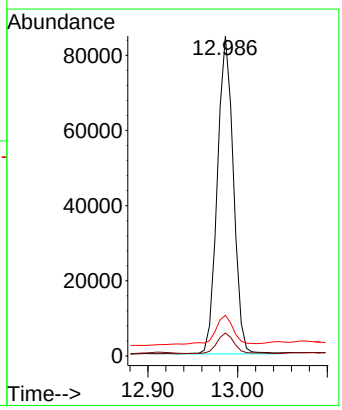


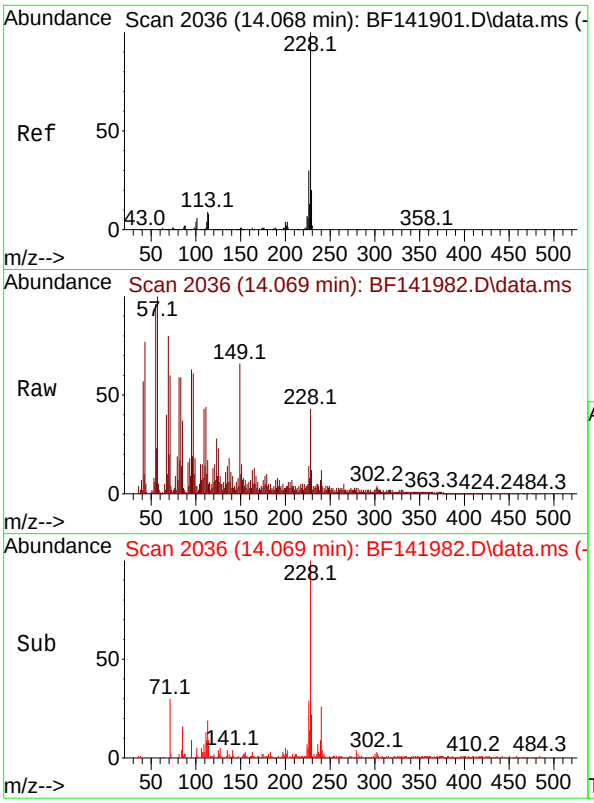


#79
Terphenyl-d14
Concen: 5.203 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion:244 Resp: 105058

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.7	7.7	11.5#



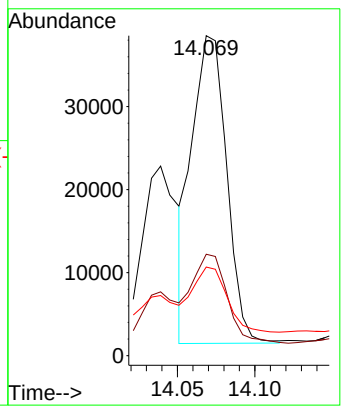


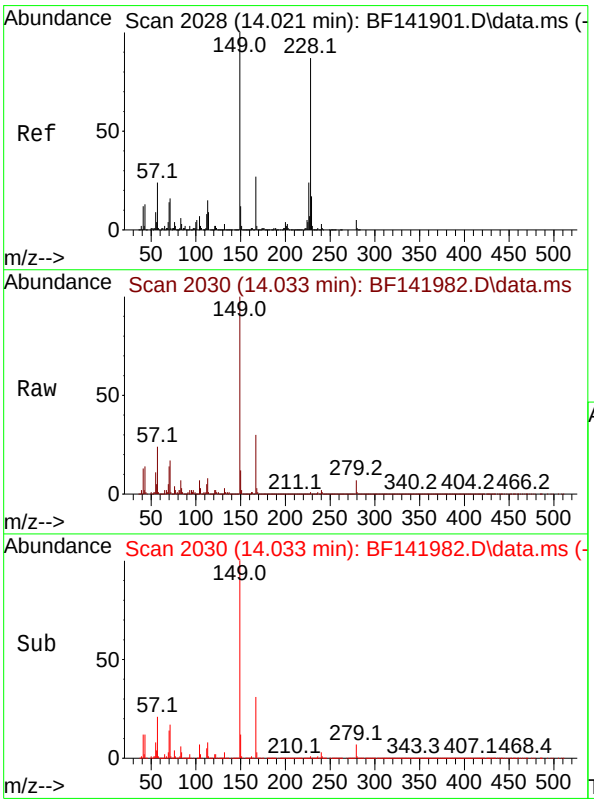
#83
Chrysene
Concen: 3.260 ng
RT: 14.069 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:228 Resp: 57899

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.1	36.1
229	27.7	15.7	23.5#

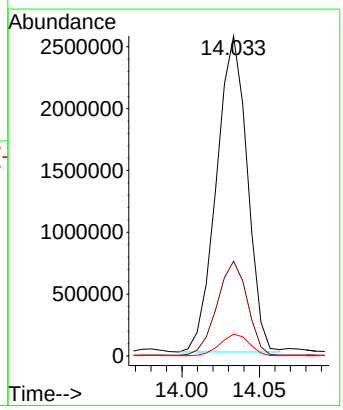


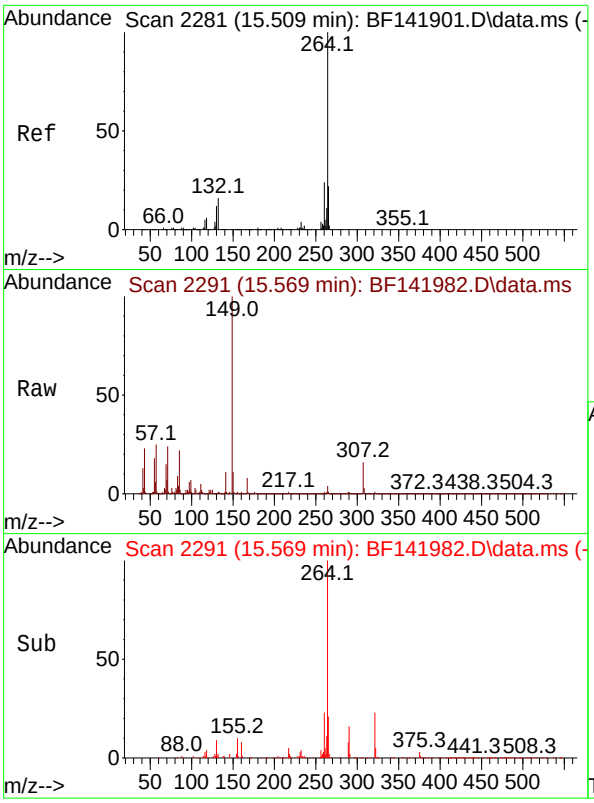


#84
Bis(2-ethylhexyl)phthalate
Concen: 253.322 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Tgt Ion:149 Resp: 3530429

Ion	Ratio	Lower	Upper
149	100		
167	29.6	21.4	32.0
279	6.8	3.8	5.6#



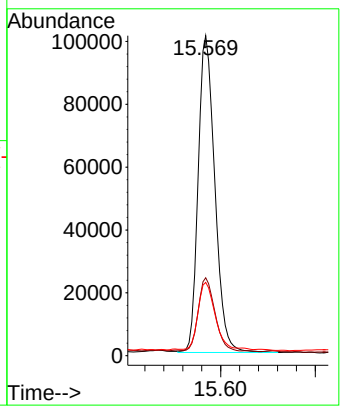


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.569 min Scan# 2
Delta R.T. 0.059 min
Lab File: BF141982.D
Acq: 17 Mar 2025 15:29

Instrument :
BNA_F
ClientSampleId :
WC1

Tgt Ion:264 Resp: 246126

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.1	28.7
265	22.9	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141984.D
Acq On : 17 Mar 2025 17:00
Operator : RC/JU
Sample : Q1574-01DL 25X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1DL

Quant Time: Mar 17 17:40:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

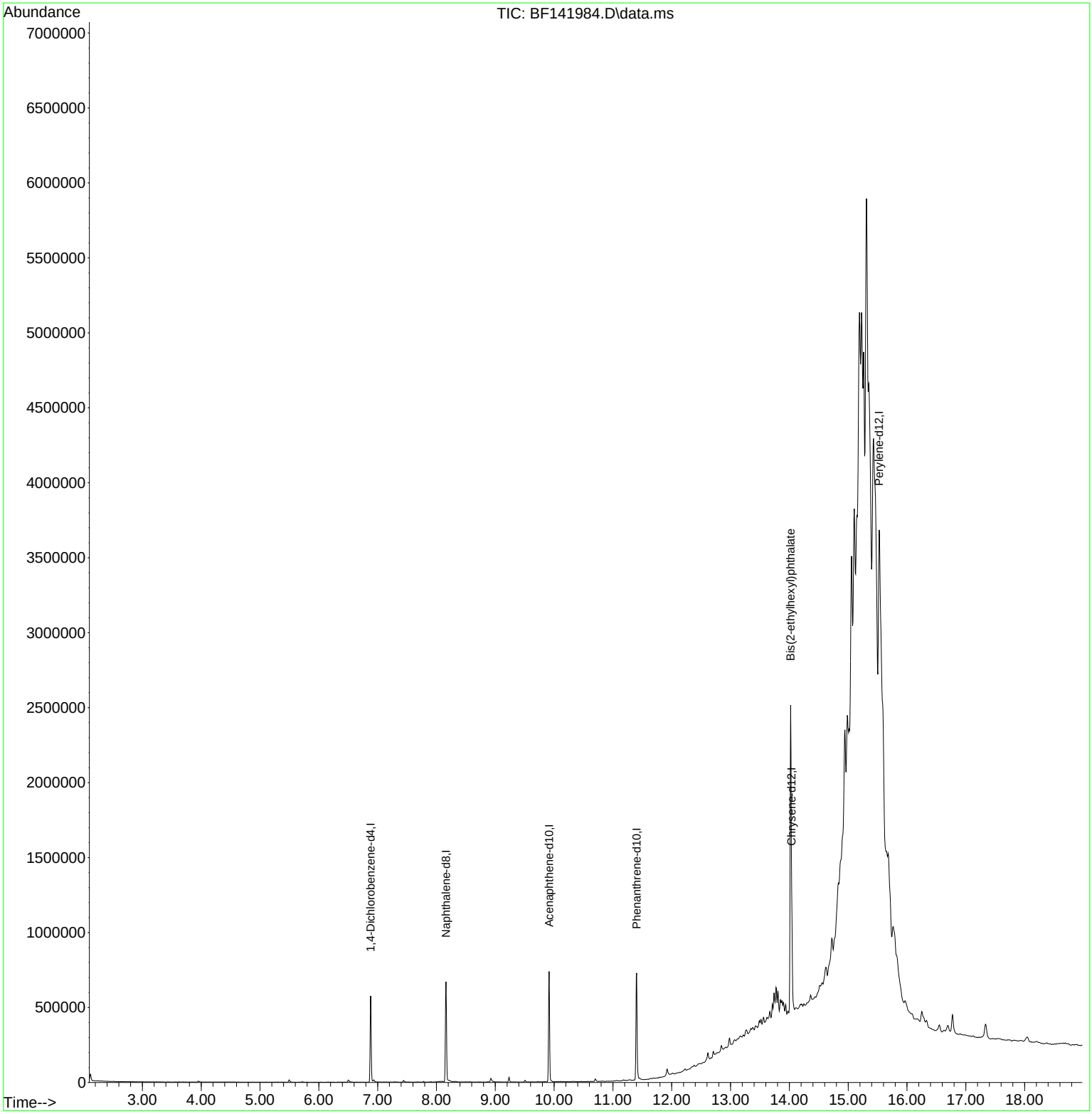
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	122353	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	436760	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	216464	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	380298	20.000	ng	0.00
76) Chrysene-d12	14.039	240	298468	20.000	ng	0.00
86) Perylene-d12	15.527	264	224847	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	8560	1.168	ng	0.00
7) Phenol-d6	6.504	99	10016	1.073	ng	0.00
23) Nitrobenzene-d5	7.439	82	6872	0.885	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	2928	1.066	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	14955	1.051	ng	0.00
79) Terphenyl-d14	12.986	244	20958	1.038	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	14.021	149	833555	59.827	ng	100

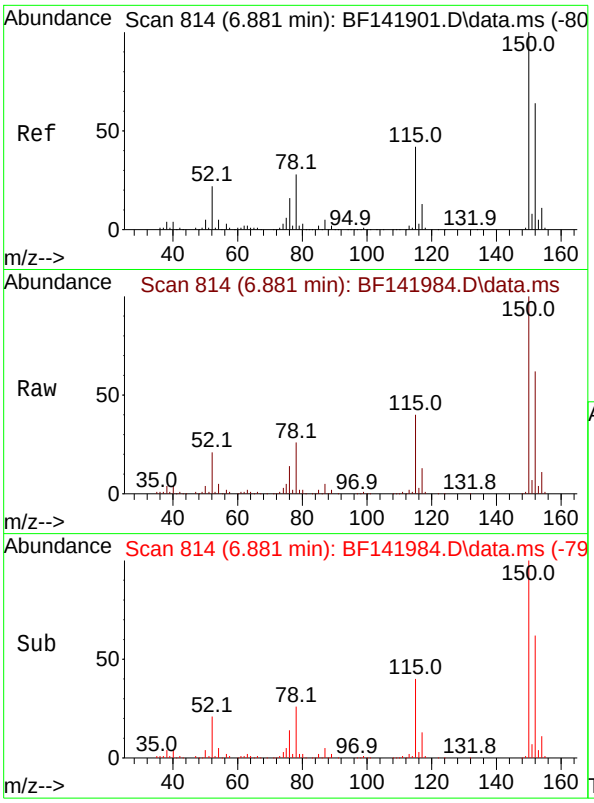
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141984.D
Acq On : 17 Mar 2025 17:00
Operator : RC/JU
Sample : Q1574-01DL 25X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC1DL

Quant Time: Mar 17 17:40:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



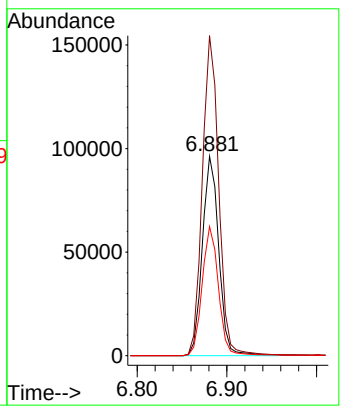


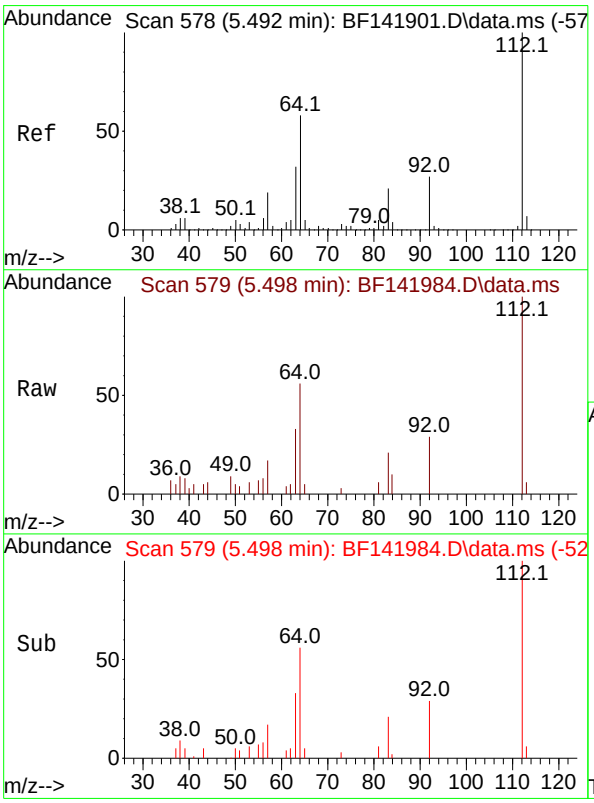
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Instrument :
BNA_F
ClientSampleId :
WC1DL

Tgt Ion:152 Resp: 122353

Ion	Ratio	Lower	Upper
152	100		
150	160.5	127.4	191.2
115	64.7	51.9	77.9

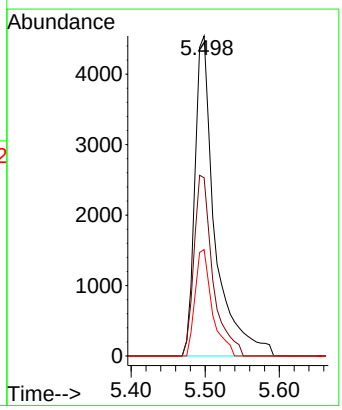


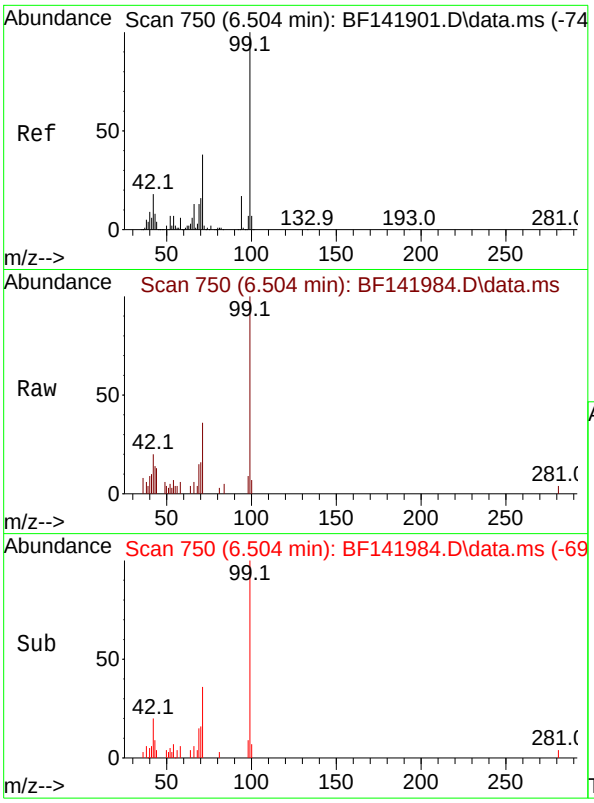


#5
2-Fluorophenol
Concen: 1.168 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Tgt Ion:112 Resp: 8560

Ion	Ratio	Lower	Upper
112	100		
64	55.7	46.5	69.7
63	33.3	25.4	38.2



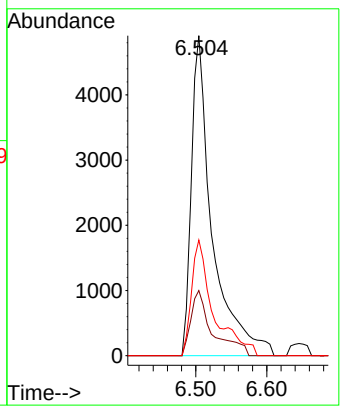


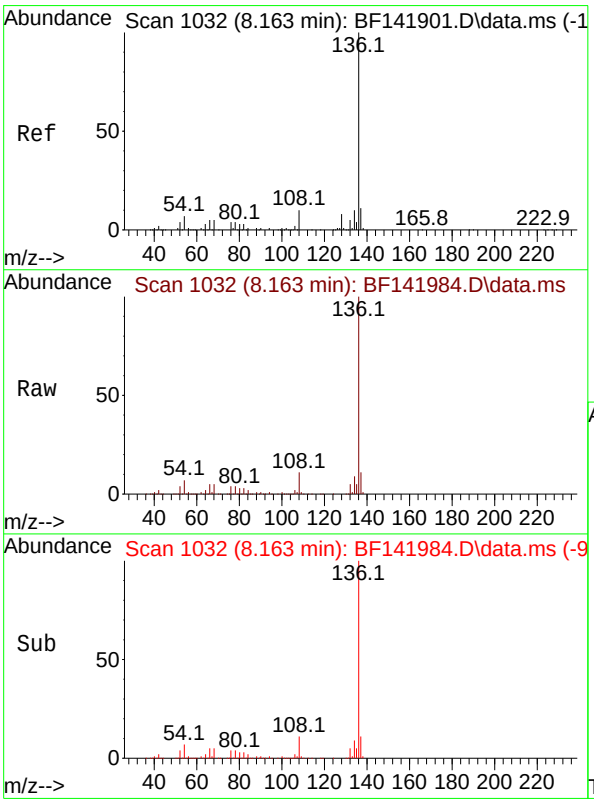
#7
Phenol-d6
Concen: 1.073 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Instrument :
BNA_F
ClientSampleId :
WC1DL

Tgt Ion: 99 Resp: 10016

Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.6	21.8
71	36.2	30.8	46.2

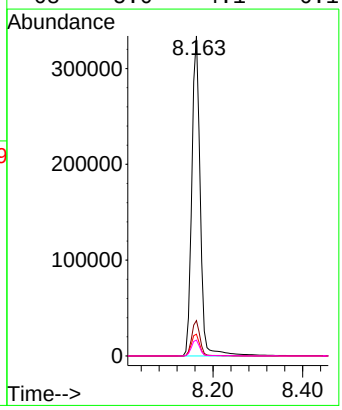


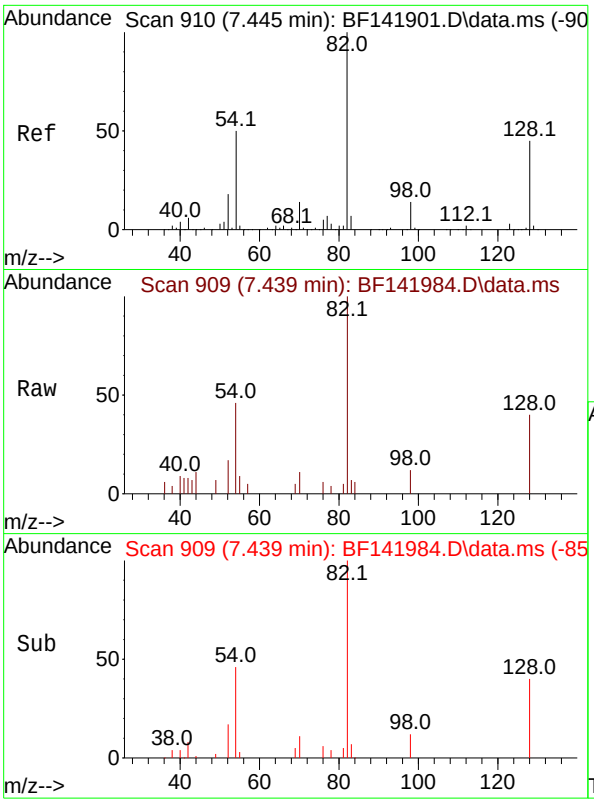


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Tgt Ion:136 Resp: 436760

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.8	5.8	8.8
68	5.0	4.1	6.1



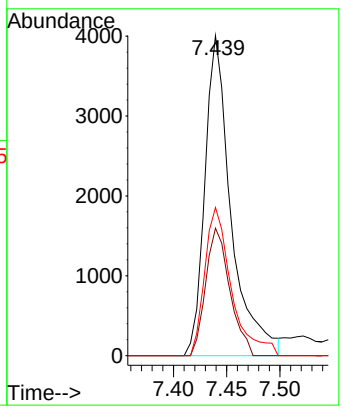


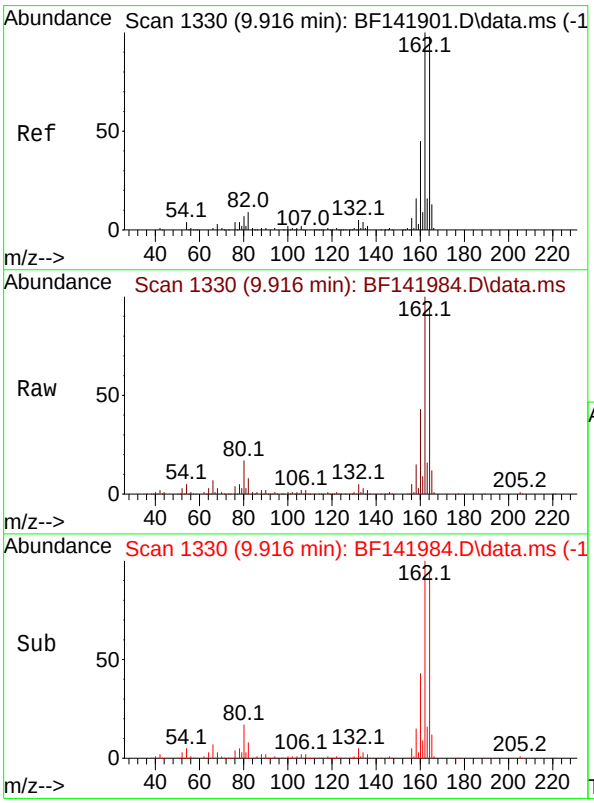
#23
Nitrobenzene-d5
Concen: 0.885 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Instrument :
BNA_F
ClientSampleId :
WC1DL

Tgt Ion: 82 Resp: 6872

Ion	Ratio	Lower	Upper
82	100		
128	39.9	36.0	54.0
54	46.3	39.6	59.4

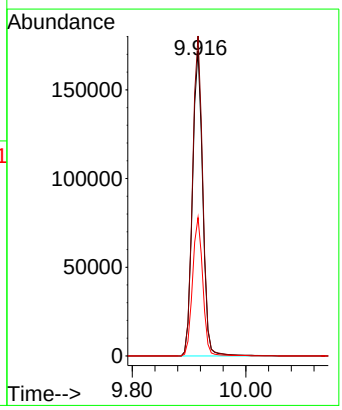


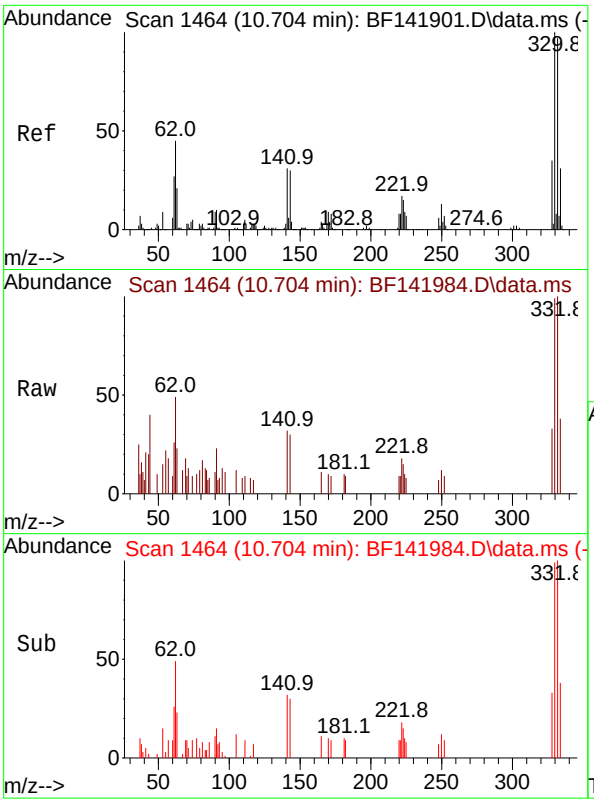


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Tgt Ion:164 Resp: 216464

Ion	Ratio	Lower	Upper
164	100		
162	104.8	81.8	122.6
160	45.4	36.7	55.1



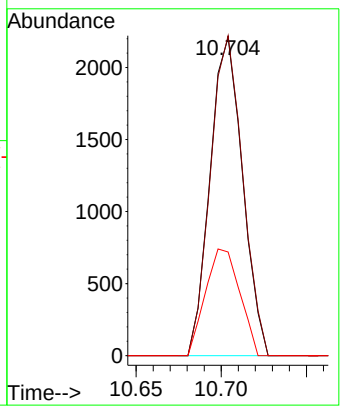


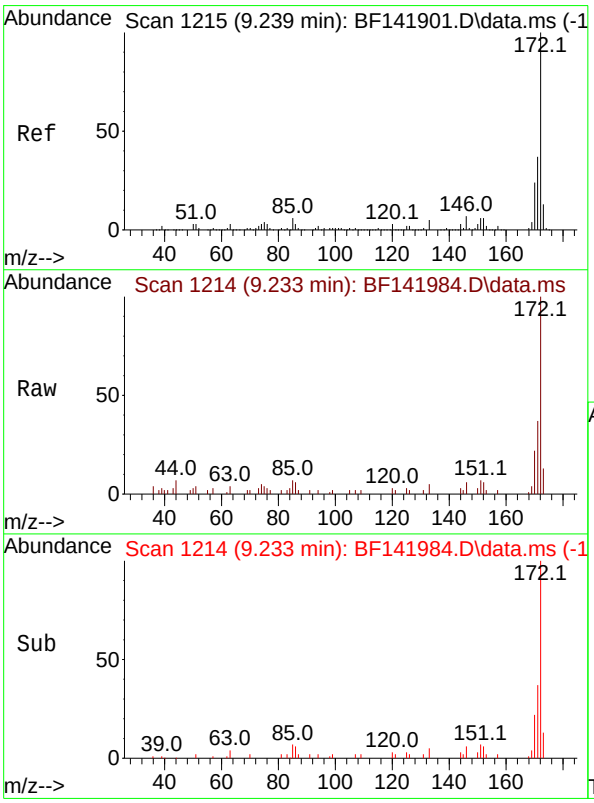
#42
2,4,6-Tribromophenol
Concen: 1.066 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Instrument :
BNA_F
ClientSampleId :
WC1DL

Tgt Ion:330 Resp: 2928

Ion	Ratio	Lower	Upper
330	100		
332	100.2	77.6	116.4
141	35.3	24.7	37.1

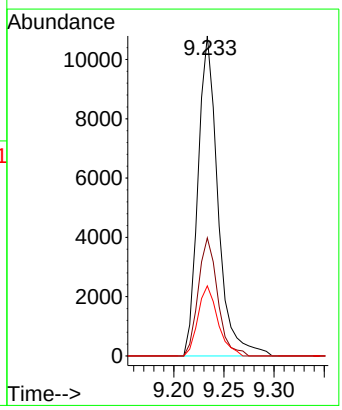


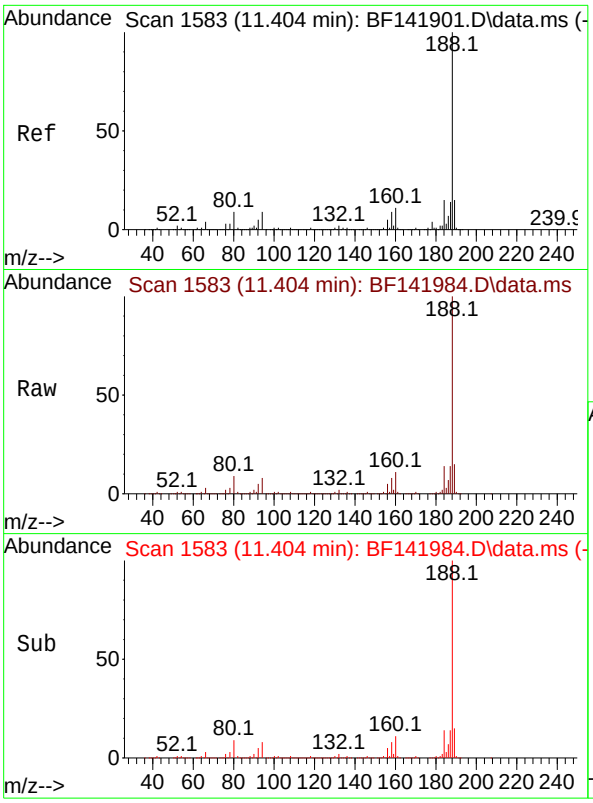


#45
2-Fluorobiphenyl
Concen: 1.051 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Tgt Ion:172 Resp: 14955

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.3	43.9
170	21.9	19.4	29.0



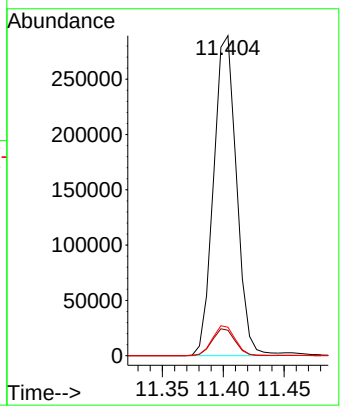


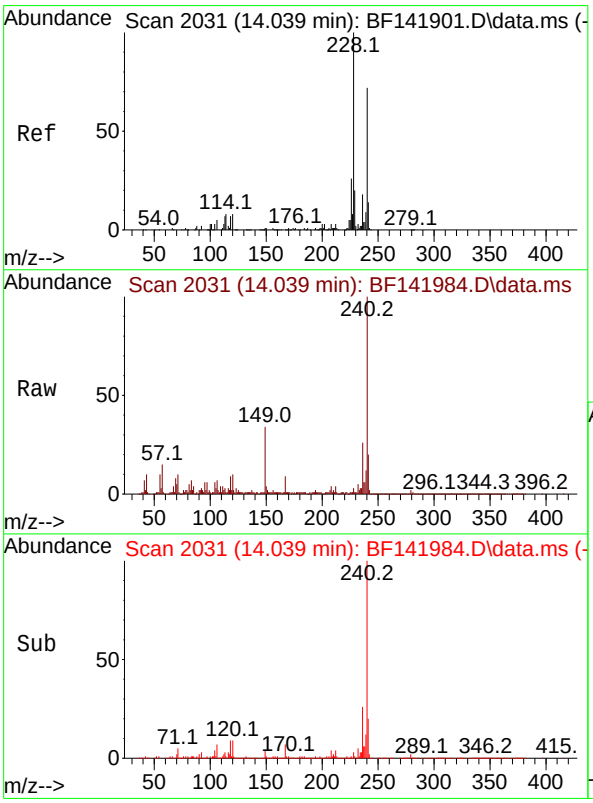
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Instrument :
BNA_F
ClientSampleId :
WC1DL

Tgt Ion:188 Resp: 380298

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.8	10.2
80	8.9	7.6	11.4

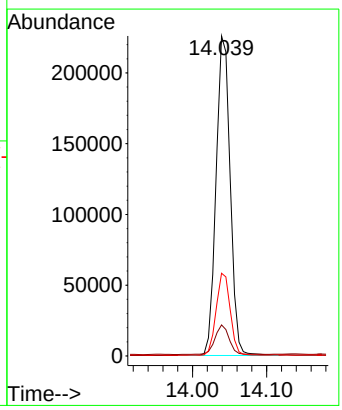


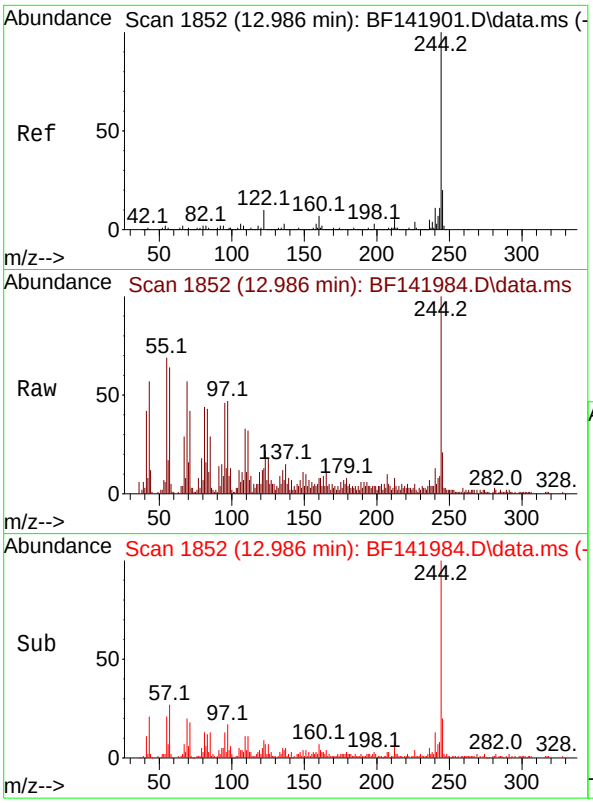


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Tgt Ion:240 Resp: 298468

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.9	20.5	30.7



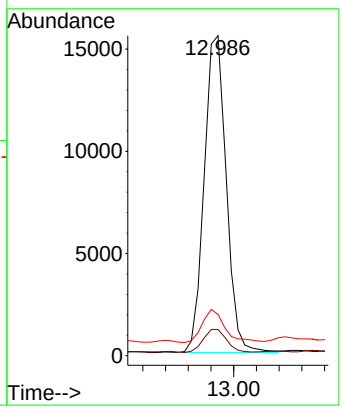


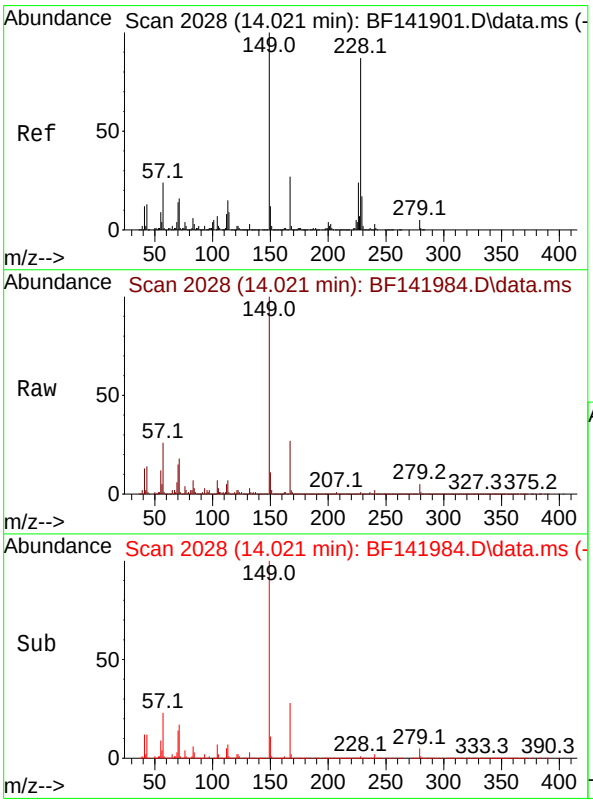
#79
Terphenyl-d14
Concen: 1.038 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Instrument :
BNA_F
ClientSampleId :
WC1DL

Tgt Ion:244 Resp: 20958

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.0	9.0
122	12.9	7.7	11.5#

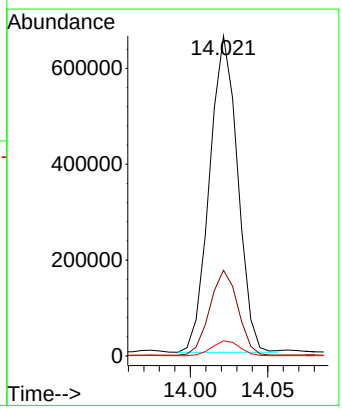


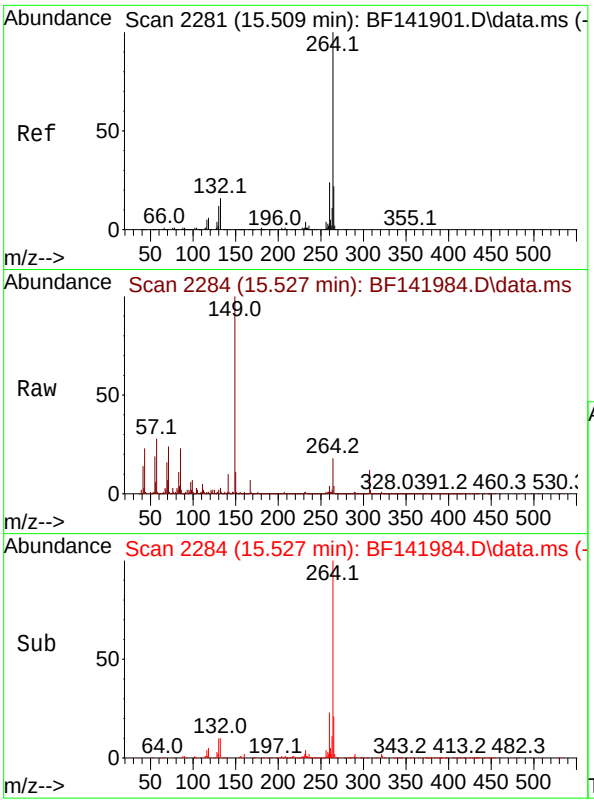


#84
Bis(2-ethylhexyl)phthalate
Concen: 59.827 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Tgt Ion:149 Resp: 833555

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.0
279	4.7	3.8	5.6



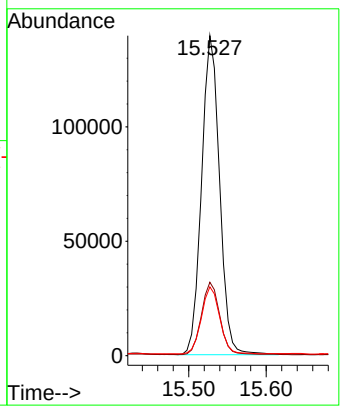


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141984.D
Acq: 17 Mar 2025 17:00

Instrument :
BNA_F
ClientSampleId :
WC1DL

Tgt Ion:264 Resp: 224847

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.1	28.7
265	21.5	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031825\
Data File : BP024180.D
Acq On : 18 Mar 2025 10:26
Operator : RC/JU
Sample : PB167157BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Quant Time: Mar 18 11:08:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

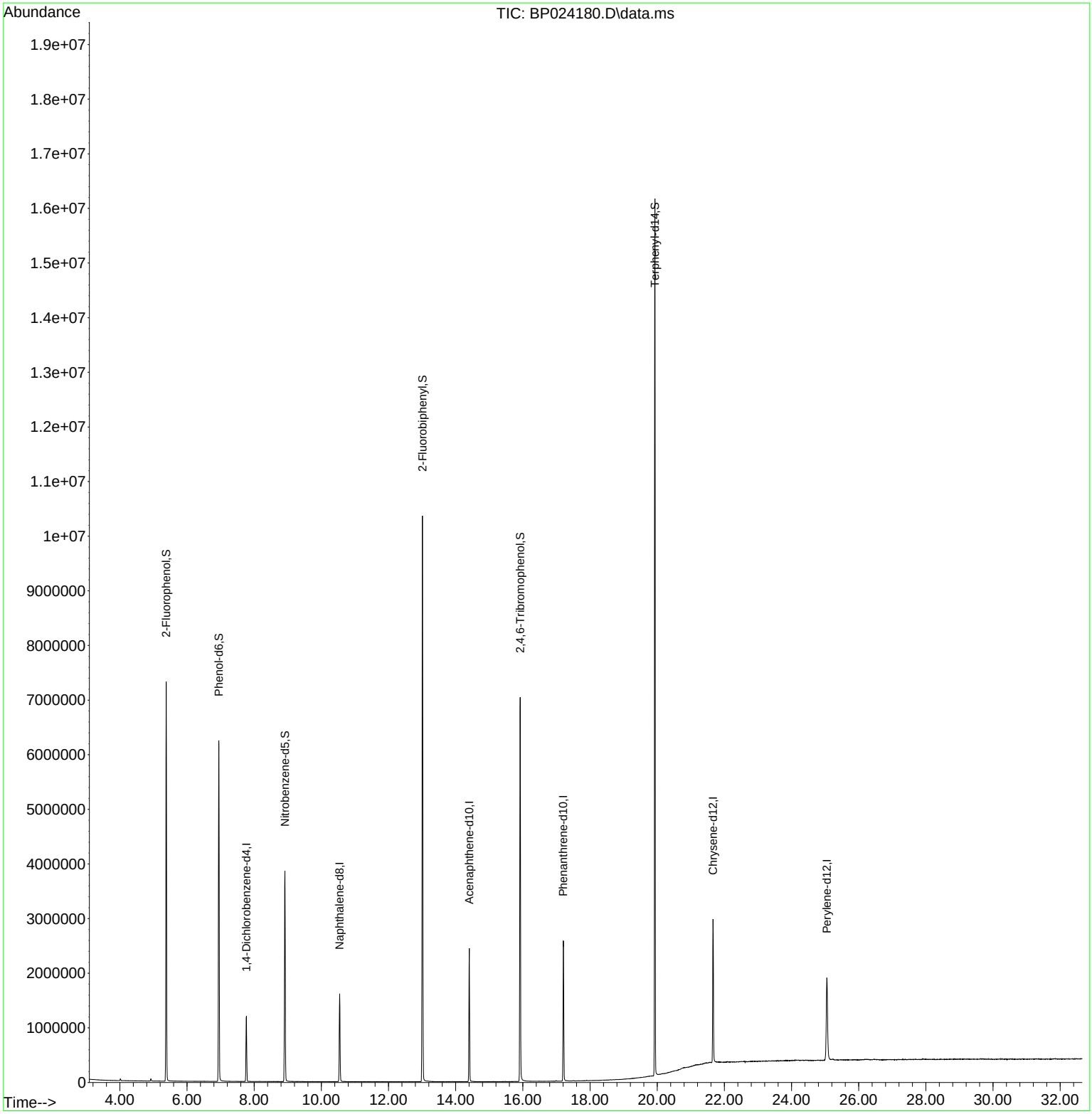
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	334055	20.000	ng	0.00
21) Naphthalene-d8	10.545	136	1336335	20.000	ng	0.00
39) Acenaphthene-d10	14.404	164	814855	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1550471	20.000	ng	0.00
76) Chrysene-d12	21.663	240	1479758	20.000	ng	0.00
86) Perylene-d12	25.051	264	1571336	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	3169610	151.460	ng	0.00
7) Phenol-d6	6.946	99	4016663	143.529	ng	0.00
23) Nitrobenzene-d5	8.916	82	2294715	96.885	ng	0.00
42) 2,4,6-Tribromophenol	15.922	330	1494177	145.573	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	5406055	97.826	ng	0.00
79) Terphenyl-d14	19.933	244	7903635	110.254	ng	0.01
Target Compounds						Qvalue

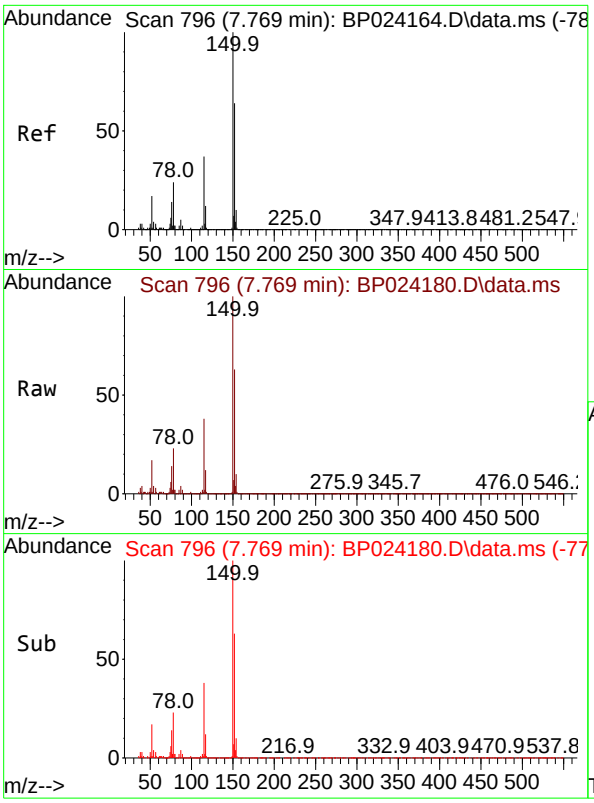
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031825\
Data File : BP024180.D
Acq On : 18 Mar 2025 10:26
Operator : RC/JU
Sample : PB167157BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Quant Time: Mar 18 11:08:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



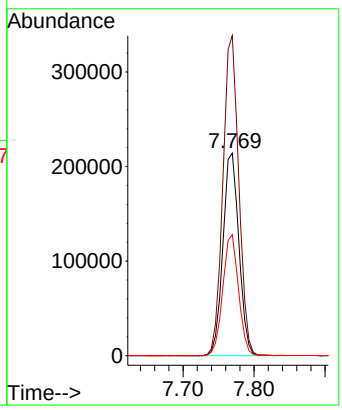


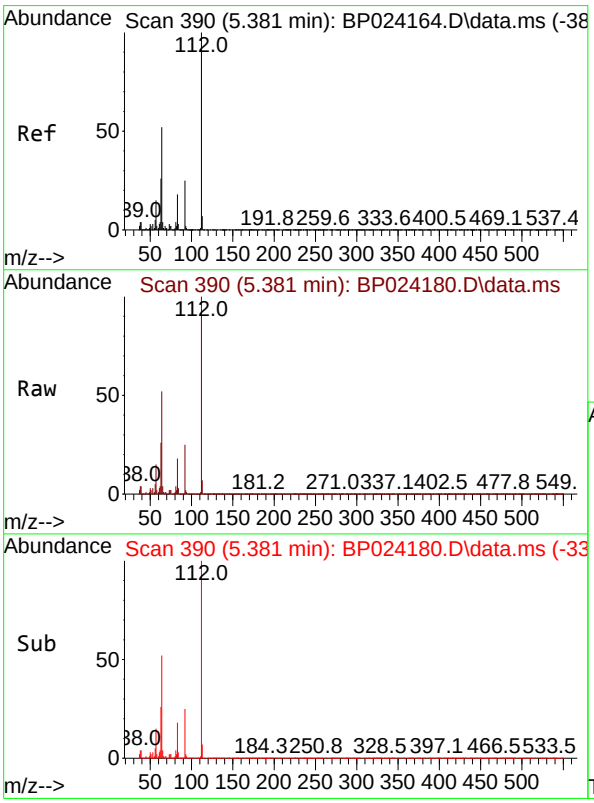
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Tgt Ion:152 Resp: 334055

Ion	Ratio	Lower	Upper
152	100		
150	157.9	125.5	188.3
115	59.8	46.3	69.5

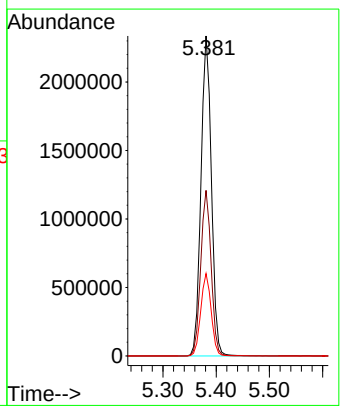


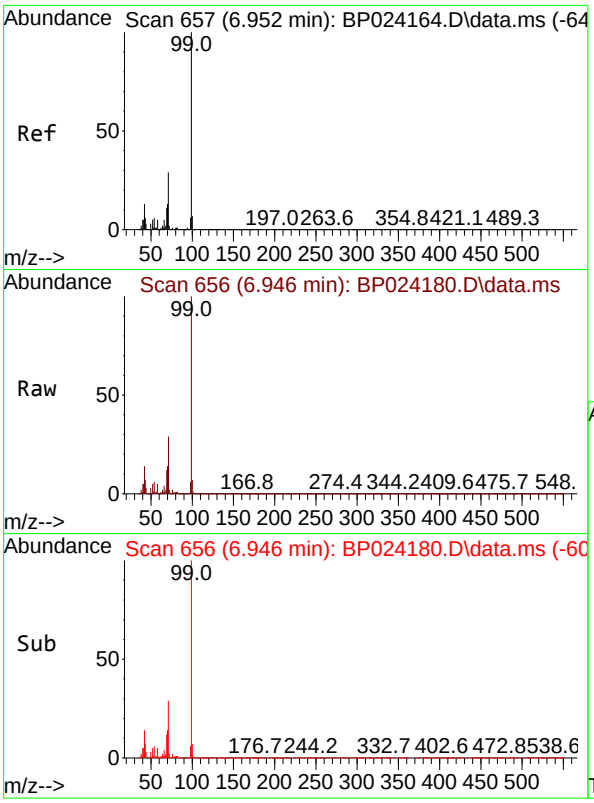


#5
2-Fluorophenol
Concen: 151.460 ng
RT: 5.381 min Scan# 390
Delta R.T. -0.000 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Tgt Ion:112 Resp: 3169610

Ion	Ratio	Lower	Upper
112	100		
64	51.8	41.3	61.9
63	25.8	20.6	31.0



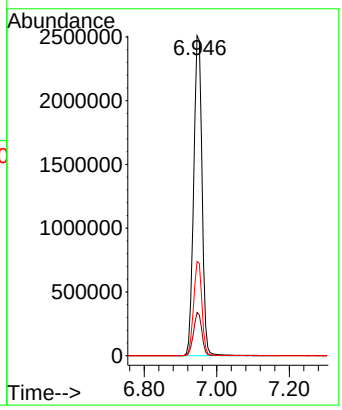


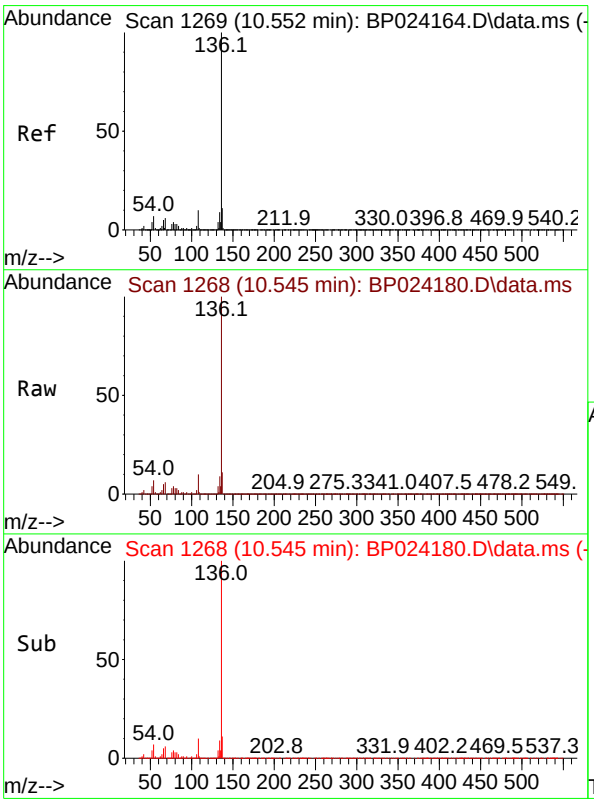
#7
Phenol-d6
Concen: 143.529 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Tgt Ion: 99 Resp: 4016663

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	29.4	23.3	34.9

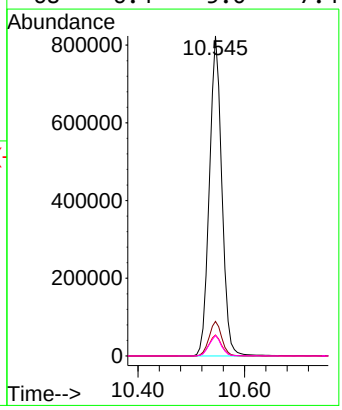


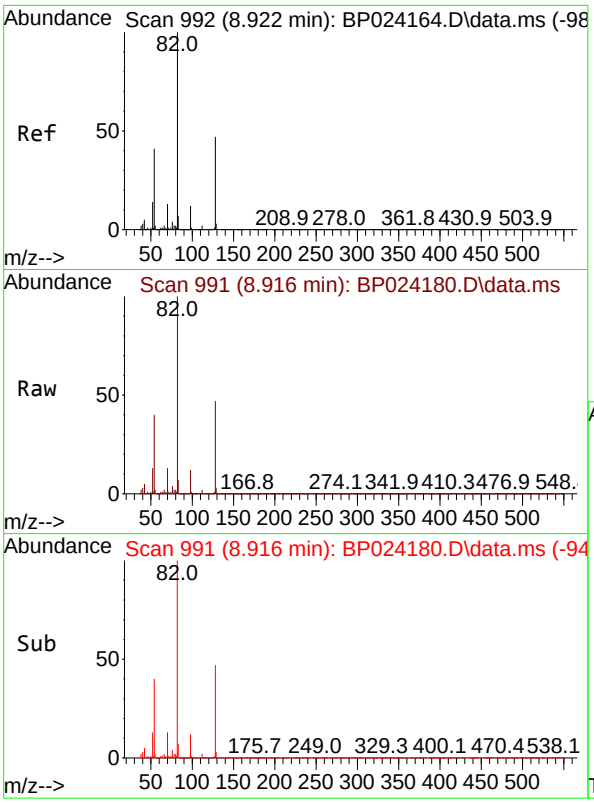


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Tgt Ion:136 Resp: 1336335

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.5	5.3	7.9
68	6.4	5.0	7.4



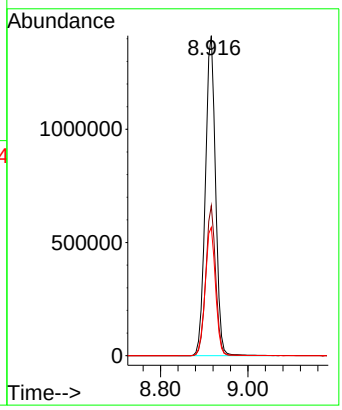


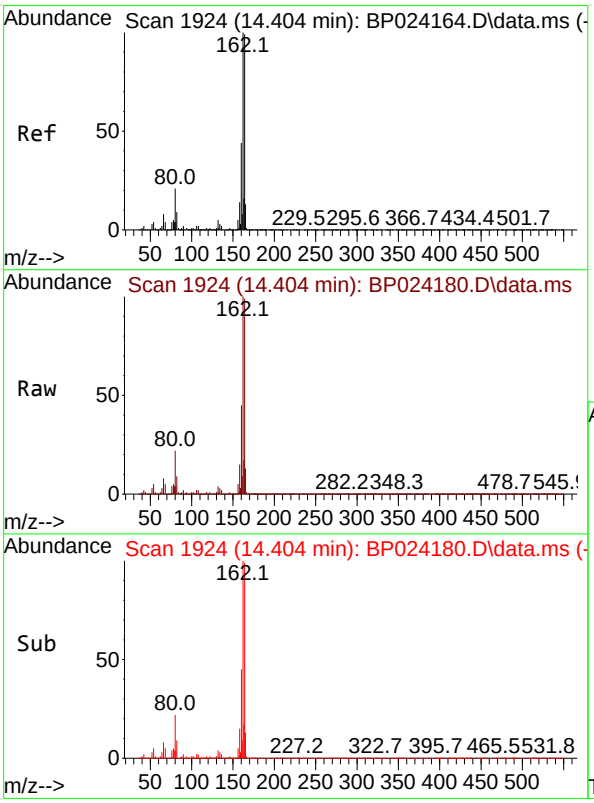
#23
Nitrobenzene-d5
Concen: 96.885 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Tgt Ion: 82 Resp: 2294715

Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.4	56.0
54	40.1	32.5	48.7

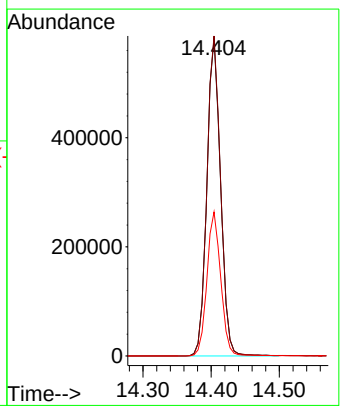


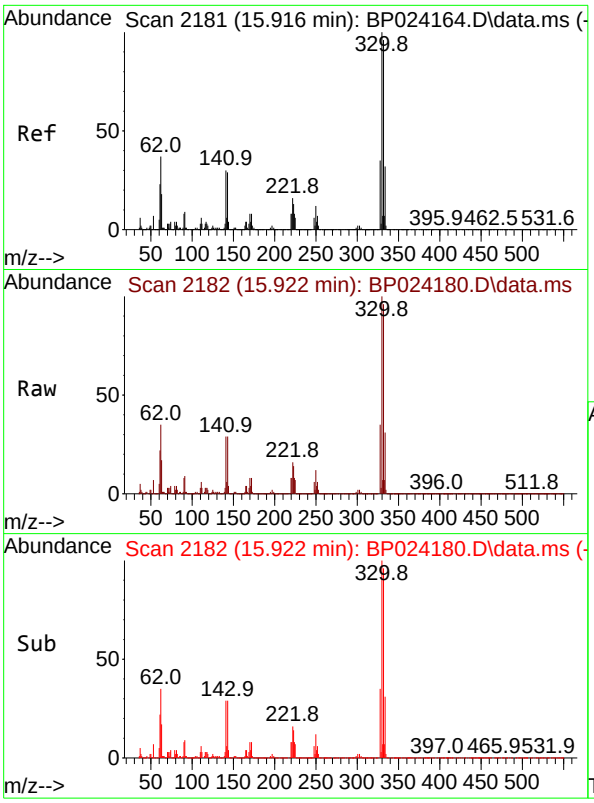


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Tgt Ion:164 Resp: 814855

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	45.4	35.4	53.2



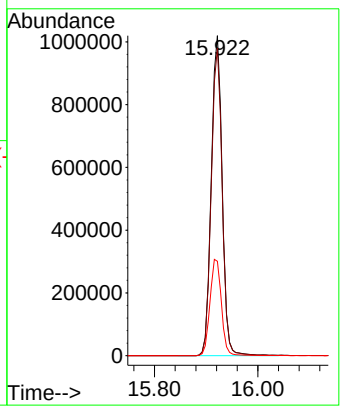


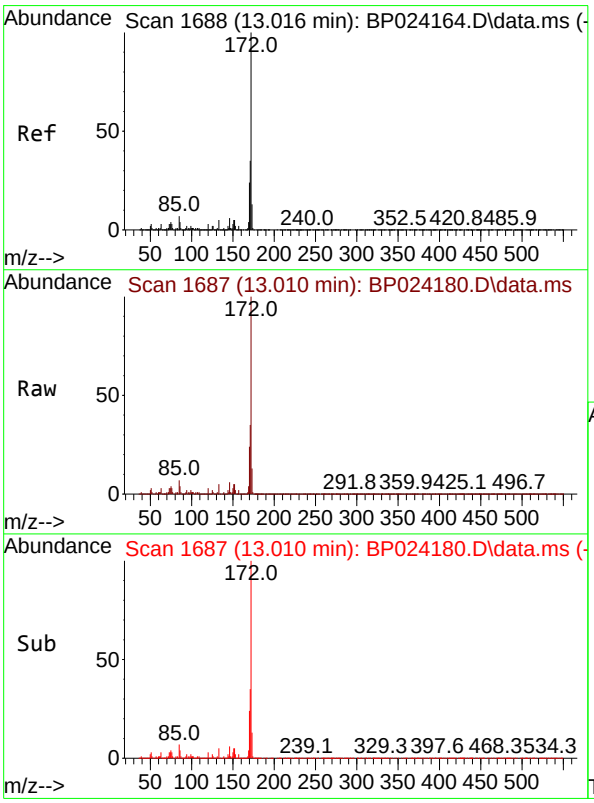
#42
2,4,6-Tribromophenol
Concen: 145.573 ng
RT: 15.922 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Tgt Ion:330 Resp: 1494177

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.6	116.4
141	31.6	25.0	37.6

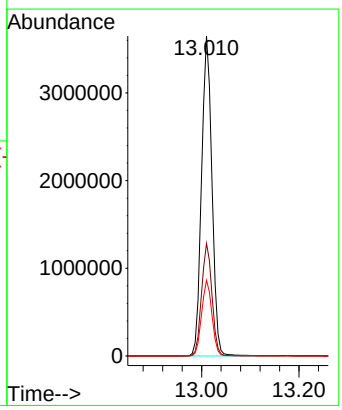


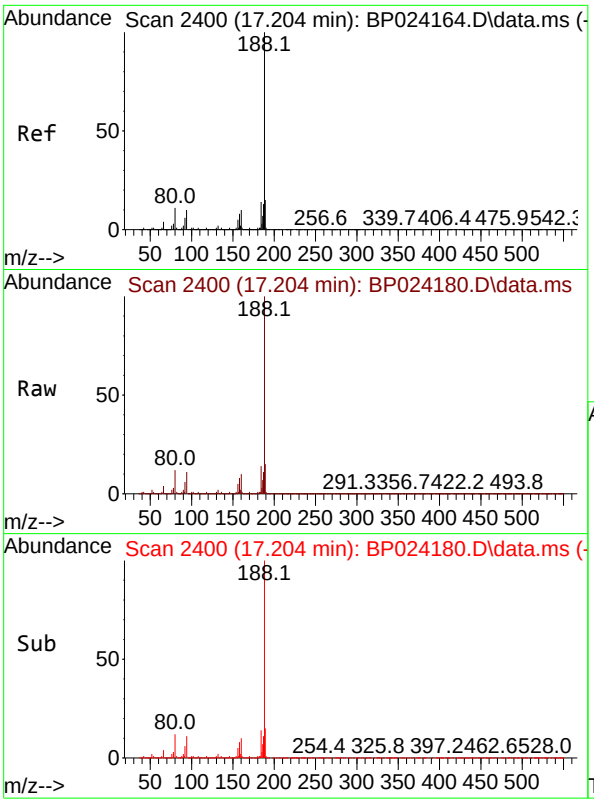


#45
2-Fluorobiphenyl
Concen: 97.826 ng
RT: 13.010 min Scan# 1687
Delta R.T. -0.006 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Tgt Ion:172 Resp: 5406055

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	23.6	19.0	28.4



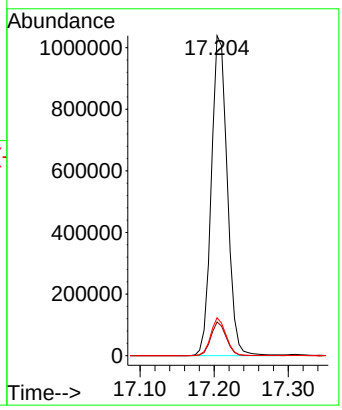


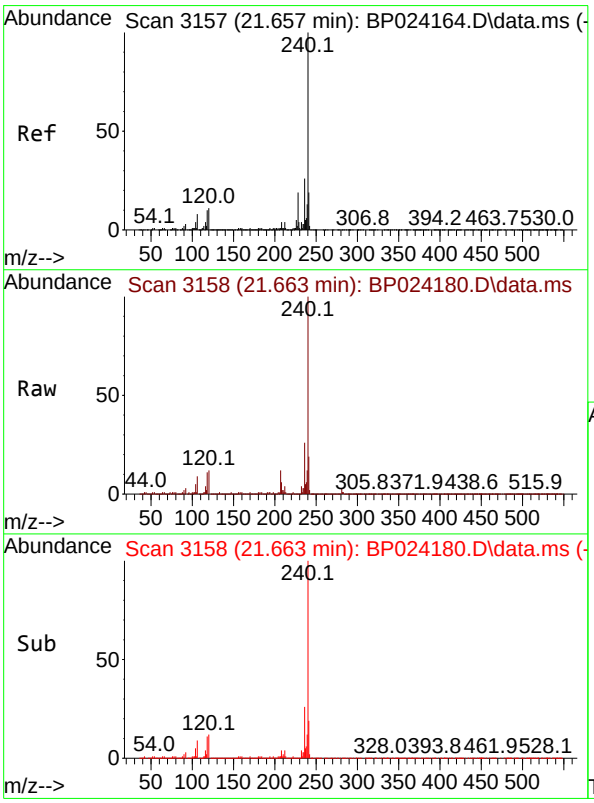
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Tgt Ion:188 Resp: 1550471

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.1	12.1
80	11.9	8.9	13.3

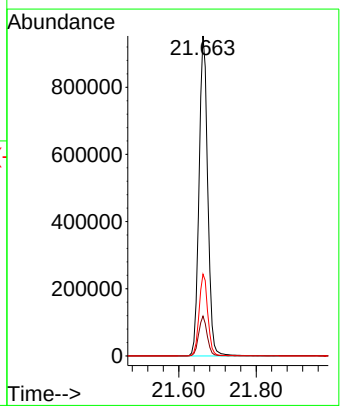


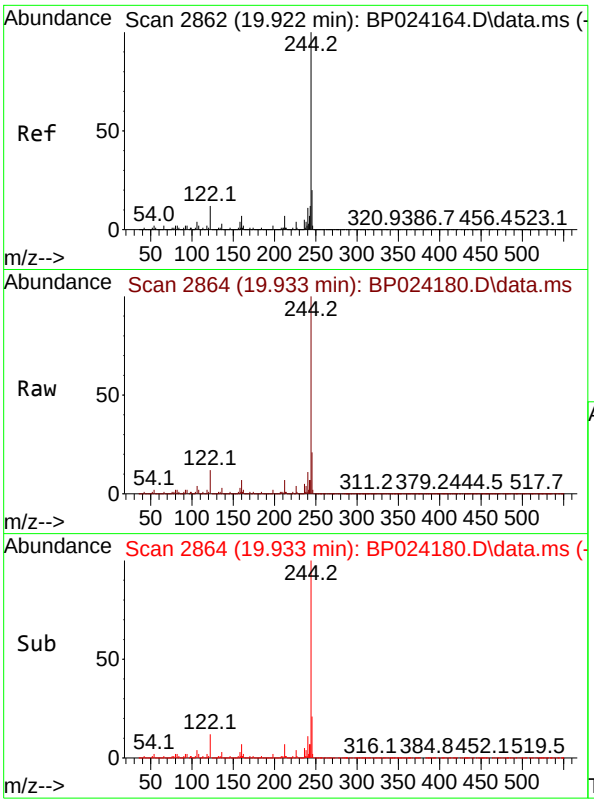


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.663 min Scan# 3158
Delta R.T. 0.006 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Tgt Ion:240 Resp: 1479758

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.2	13.8
236	25.6	20.4	30.6



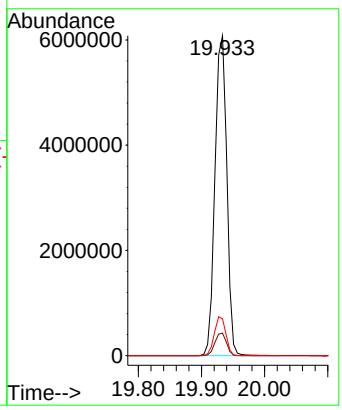


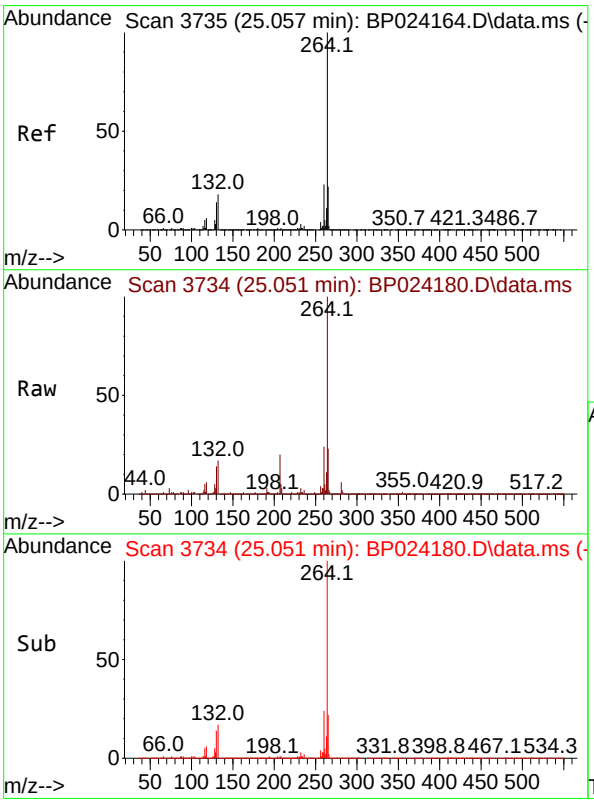
#79
Terphenyl-d14
Concen: 110.254 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Tgt Ion:244 Resp: 7903635

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.5	9.6	14.4

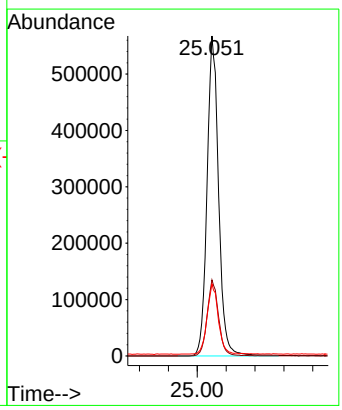




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.051 min Scan# 3734
Delta R.T. -0.006 min
Lab File: BP024180.D
Acq: 18 Mar 2025 10:26

Tgt Ion:264 Resp: 1571336

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	22.5	17.7	26.5



Sample Results: **BP024180.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031825\
Data File : BP024180.D
Acq On : 18 Mar 2025 10:26
Operator : RC/JU
Sample : PB167157BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024180.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.381	383	390	407	rBV	7311118	9918018	47.31%	10.613%
2	6.946	648	656	675	rBV	6239505	10106661	48.20%	10.815%
3	7.769	788	796	805	rBV	1195498	1873988	8.94%	2.005%
4	8.916	982	991	1010	rBV	3855737	6296564	30.03%	6.738%
5	10.545	1259	1268	1287	rBV	1609048	2635931	12.57%	2.821%
6	13.010	1679	1687	1705	rBV	10358179	15342918	73.18%	16.418%
7	14.404	1917	1924	1945	rBV	2438301	3463550	16.52%	3.706%
8	15.922	2174	2182	2208	rBV	7031691	10863307	51.81%	11.625%
9	17.204	2394	2400	2413	rBV2	2569310	3851215	18.37%	4.121%
10	19.933	2858	2864	2878	rBV	16041623	20966090	100.00%	22.435%
11	21.663	3152	3158	3170	rBV2	2620829	4042822	19.28%	4.326%
12	25.051	3726	3734	3751	rVB	1494967	4090303	19.51%	4.377%

Sum of corrected areas: 93451367

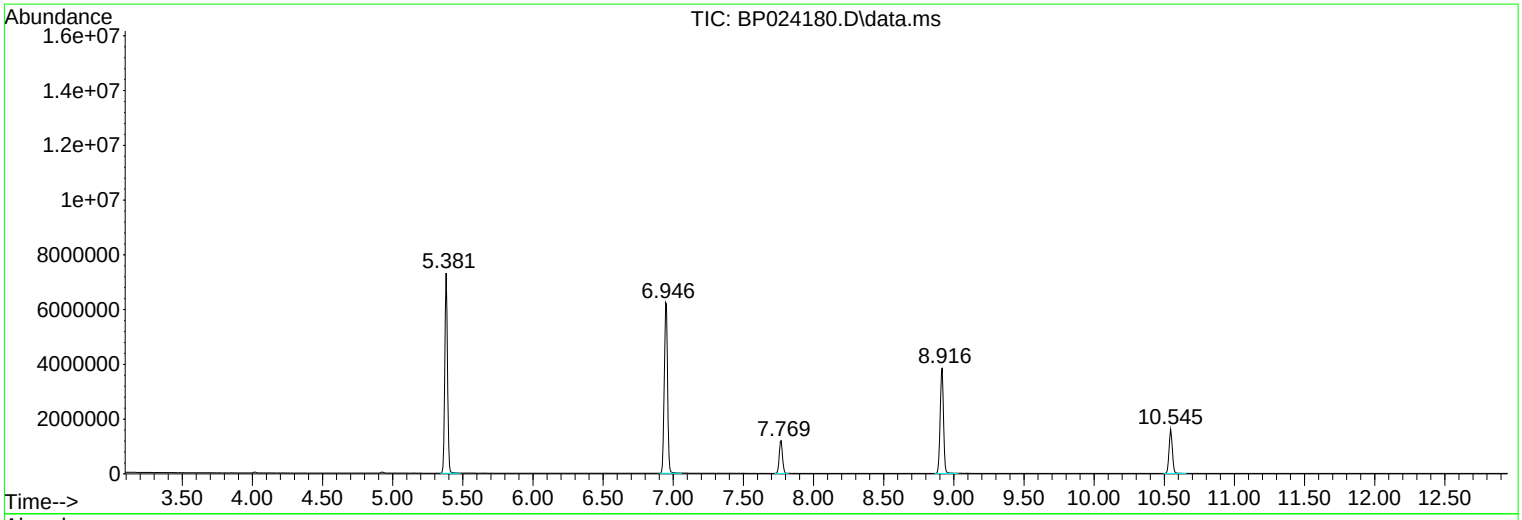
Sample Results: **BP024180.D**

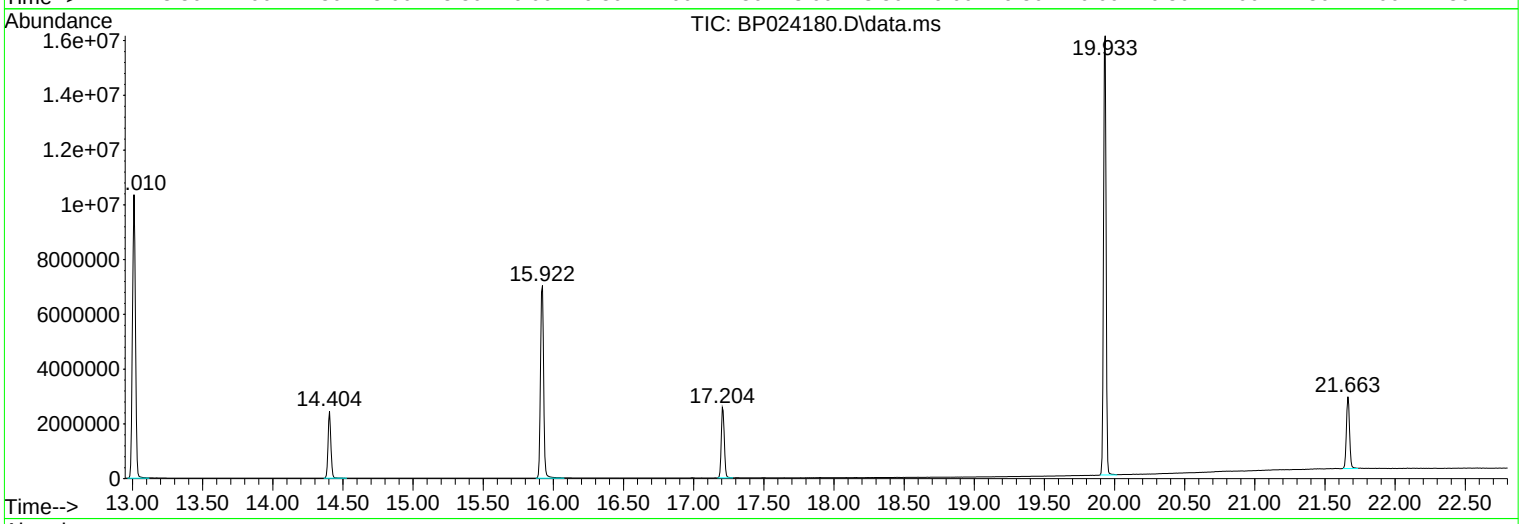
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031825\
Data File : BP024180.D
Acq On : 18 Mar 2025 10:26
Operator : RC/JU
Sample : PB167157BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

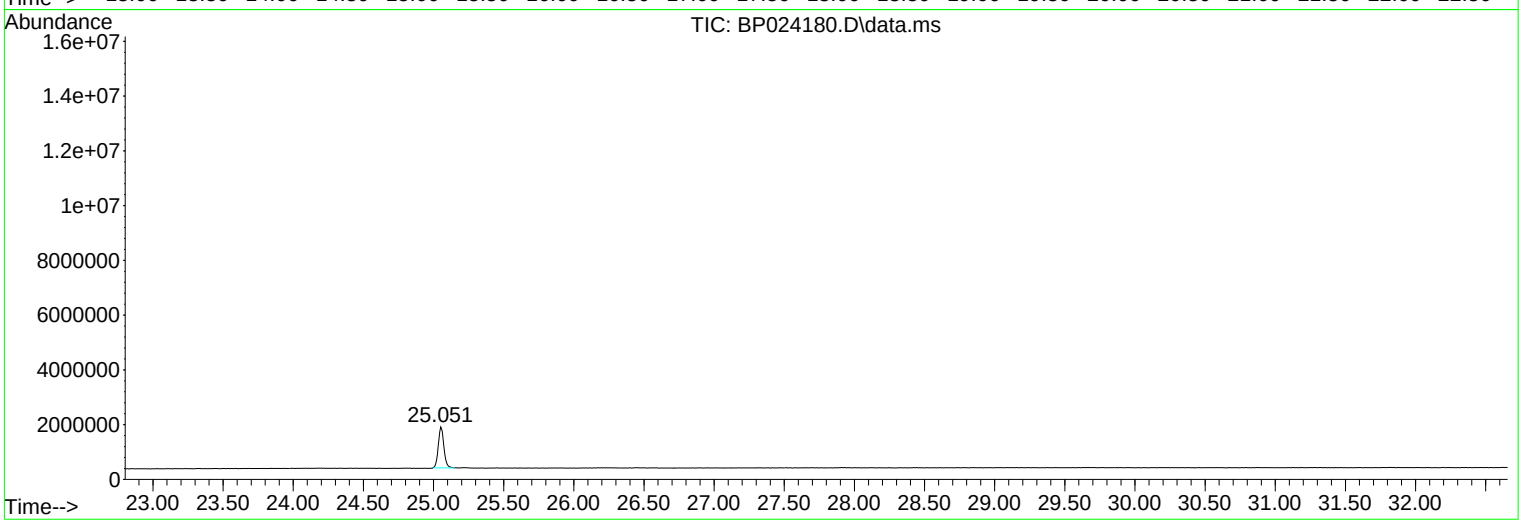
Instrument :
BNA_P
ClientSampleId :
PB167157BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031825\
Data File : BP024180.D
Acq On : 18 Mar 2025 10:26
Operator : RC/JU
Sample : PB167157BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031825\
Data File : BP024180.D
Acq On : 18 Mar 2025 10:26
Operator : RC/JU
Sample : PB167157BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167157BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031825\
Data File : BP024181.D
Acq On : 18 Mar 2025 11:07
Operator : RC/JU
Sample : PB167157BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167157BS

Quant Time: Mar 18 11:49:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	330651	20.000	ng		0.00
21) Naphthalene-d8	10.552	136	1324493	20.000	ng		0.00
39) Acenaphthene-d10	14.404	164	810278	20.000	ng		0.00
64) Phenanthrene-d10	17.210	188	1519988	20.000	ng		0.00
76) Chrysene-d12	21.669	240	1650496	20.000	ng		0.01
86) Perylene-d12	25.057	264	1679154	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	3239471	156.392	ng		0.00
7) Phenol-d6	6.952	99	4090305	147.666	ng		0.00
23) Nitrobenzene-d5	8.922	82	2336787	99.543	ng		0.00
42) 2,4,6-Tribromophenol	15.922	330	1567625	153.591	ng		0.00
45) 2-Fluorobiphenyl	13.010	172	5302619	96.496	ng		0.00
79) Terphenyl-d14	19.928	244	8176573	102.262	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.323	88	354433	43.167	ng		98
3) Pyridine	3.711	79	860358	38.330	ng		98
4) n-Nitrosodimethylamine	3.623	42	337476	45.008	ng		100
6) Aniline	7.105	93	958876	37.995	ng		98
8) 2-Chlorophenol	7.346	128	1045957	46.749	ng		99
9) Benzaldehyde	6.922	77	287327	21.495	ng		98
10) Phenol	6.981	94	1345578	48.120	ng		99
11) bis(2-Chloroethyl)ether	7.199	93	994704	45.108	ng		99
12) 1,3-Dichlorobenzene	7.664	146	1085042	44.971	ng		99
13) 1,4-Dichlorobenzene	7.805	146	1106186	44.903	ng		99
14) 1,2-Dichlorobenzene	8.122	146	1066355	45.107	ng		100
15) Benzyl Alcohol	8.011	79	835938	47.668	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.287	45	1064591	47.302	ng		97
17) 2-Methylphenol	8.216	107	862973	49.214	ng		100
18) Hexachloroethane	8.846	117	397431	45.472	ng		98
19) n-Nitroso-di-n-propyla...	8.569	70	722828	44.980	ng		98
20) 3+4-Methylphenols	8.540	107	1165885	48.396	ng		99
22) Acetophenone	8.587	105	1658596	49.531	ng	#	99
24) Nitrobenzene	8.963	77	1074581	46.402	ng		99
25) Isophorone	9.487	82	1941355	48.244	ng		99
26) 2-Nitrophenol	9.669	139	504613	45.617	ng		99
27) 2,4-Dimethylphenol	9.728	122	872998	61.374	ng		99
28) bis(2-Chloroethoxy)met...	9.957	93	1286717	45.452	ng		99
29) 2,4-Dichlorophenol	10.199	162	921412	47.885	ng		99
30) 1,2,4-Trichlorobenzene	10.410	180	939033	44.170	ng		99
31) Naphthalene	10.599	128	3065402	43.661	ng		100
32) Benzoic acid	9.875	122	699058	50.392	ng		100
33) 4-Chloroaniline	10.710	127	623657	24.821	ng		99
34) Hexachlorobutadiene	10.887	225	544411	44.496	ng		99
35) Caprolactam	11.499	113	333823	52.934	ng		95
36) 4-Chloro-3-methylphenol	11.840	107	977487	47.090	ng		98
37) 2-Methylnaphthalene	12.210	142	2042388	43.059	ng		99
38) 1-Methylnaphthalene	12.434	142	2002912	43.415	ng		100
40) 1,2,4,5-Tetrachloroben...	12.581	216	1147800	49.004	ng		99
41) Hexachlorocyclopentadiene	12.563	237	1373213	162.644	ng		99
43) 2,4,6-Trichlorophenol	12.822	196	695273	46.708	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031825\
Data File : BP024181.D
Acq On : 18 Mar 2025 11:07
Operator : RC/JU
Sample : PB167157BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167157BS

Quant Time: Mar 18 11:49:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration

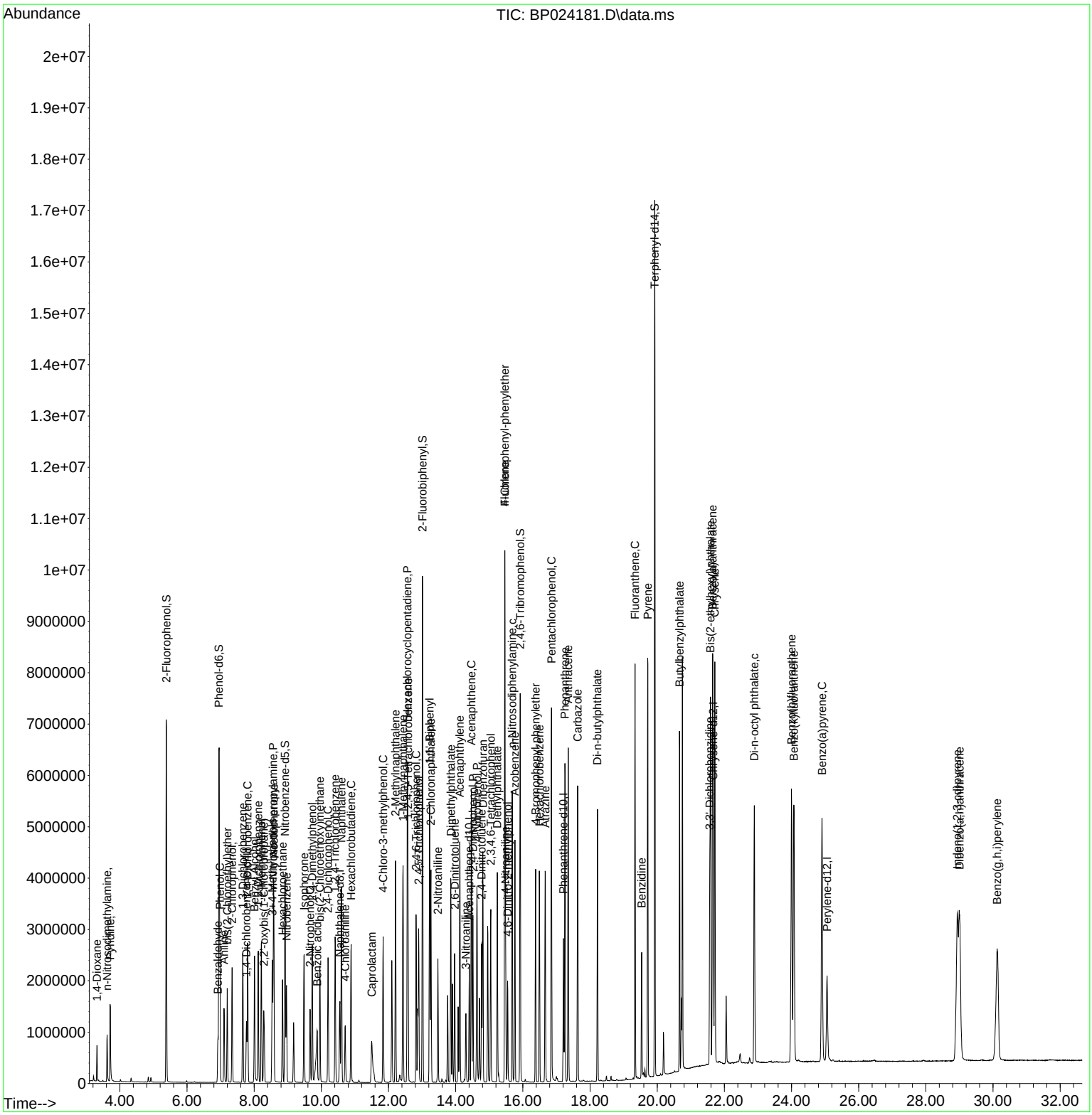
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.899	196	780193	47.792	ng		100
46) 1,1'-Biphenyl	13.228	154	2970132	48.780	ng		100
47) 2-Chloronaphthalene	13.263	162	2065291	45.095	ng		98
48) 2-Nitroaniline	13.469	65	578402	49.377	ng		96
49) Acenaphthylene	14.122	152	3327135	48.011	ng		100
50) Dimethylphthalate	13.857	163	2540405	44.807	ng		99
51) 2,6-Dinitrotoluene	13.969	165	553274	46.380	ng		99
52) Acenaphthene	14.469	154	2005750	45.300	ng		100
53) 3-Nitroaniline	14.304	138	388125	30.124	ng		99
54) 2,4-Dinitrophenol	14.516	184	727282	115.220	ng		99
55) Dibenzofuran	14.810	168	3101739	43.248	ng		99
56) 4-Nitrophenol	14.634	139	1179751	109.583	ng		99
57) 2,4-Dinitrotoluene	14.775	165	789863	50.127	ng		97
58) Fluorene	15.463	166	2559129	45.797	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	666462	46.209	ng		99
60) Diethylphthalate	15.240	149	2513522	44.519	ng		99
61) 4-Chlorophenyl-phenyle...	15.463	204	1232138	44.956	ng		100
62) 4-Nitroaniline	15.487	138	615562	45.552	ng		99
63) Azobenzene	15.763	77	2437011	45.795	ng		98
65) 4,6-Dinitro-2-methylph...	15.545	198	427388	47.363	ng		96
66) n-Nitrosodiphenylamine	15.687	169	2179696	47.224	ng		99
67) 4-Bromophenyl-phenylether	16.381	248	765644	45.880	ng		97
68) Hexachlorobenzene	16.492	284	899657	45.548	ng		97
69) Atrazine	16.669	200	843780	75.738	ng		99
70) Pentachlorophenol	16.851	266	1307939	102.396	ng		100
71) Phenanthrene	17.251	178	3886389	46.803	ng		100
72) Anthracene	17.351	178	3899598	48.218	ng		100
73) Carbazole	17.634	167	3705785	47.514	ng		99
74) Di-n-butylphthalate	18.222	149	4375417	47.258	ng		100
75) Fluoranthene	19.339	202	4465647	46.435	ng		100
77) Benzidine	19.539	184	1410850	78.183	ng		100
78) Pyrene	19.722	202	4772350	46.510	ng		100
80) Butylbenzylphthalate	20.663	149	2020153	47.741	ng		98
81) Benzo(a)anthracene	21.651	228	4828655	47.056	ng		100
82) 3,3'-Dichlorobenzidine	21.563	252	1193393	34.700	ng		99
83) Chrysene	21.716	228	4491727	45.533	ng		99
84) Bis(2-ethylhexyl)phtha...	21.586	149	2995615	46.917	ng		100
85) Di-n-octyl phthalate	22.892	149	4753251	46.464	ng		99
87) Indeno(1,2,3-cd)pyrene	28.933	276	5729823	48.893	ng	#	91
88) Benzo(b)fluoranthene	23.998	252	4826316	47.671	ng		97
89) Benzo(k)fluoranthene	24.069	252	4939409	49.876	ng		99
90) Benzo(a)pyrene	24.910	252	4563825	51.840	ng		99
91) Dibenzo(a,h)anthracene	29.004	278	4741549	48.632	ng		99
92) Benzo(g,h,i)perylene	30.121	276	4463272	45.033	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031825\
Data File : BP024181.D
Acq On : 18 Mar 2025 11:07
Operator : RC/JU
Sample : PB167157BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167157BS

Quant Time: Mar 18 11:49:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141980.D
Acq On : 17 Mar 2025 14:30
Operator : RC/JU
Sample : Q1585-01MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-03142025MS

Quant Time: Mar 17 15:35:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	138986	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	493410	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	238972	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	402192	20.000	ng		0.00
76) Chrysene-d12	14.045	240	316750	20.000	ng		0.00
86) Perylene-d12	15.521	264	247894	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	385727	46.319	ng		0.00
7) Phenol-d6	6.504	99	464515	43.810	ng		0.00
23) Nitrobenzene-d5	7.440	82	291625	33.261	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	136315	44.964	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	575675	36.636	ng		0.00
79) Terphenyl-d14	12.986	244	672453	31.387	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	81983	23.495	ng		98
3) Pyridine	3.452	79	167175	19.532	ng		98
4) n-Nitrosodimethylamine	3.381	42	90321	22.137	ng		99
6) Aniline	6.540	93	116059	11.096	ng		99
8) 2-Chlorophenol	6.663	128	204974	22.193	ng		99
9) Benzaldehyde	6.428	77	56854	9.588	ng		97
10) Phenol	6.516	94	239157	21.440	ng		99
11) bis(2-Chloroethyl)ether	6.610	93	188562	22.513	ng		98
12) 1,3-Dichlorobenzene	6.822	146	227613	22.827	ng		98
13) 1,4-Dichlorobenzene	6.898	146	228363	22.635	ng		99
14) 1,2-Dichlorobenzene	7.051	146	215726	22.702	ng		99
15) Benzyl Alcohol	7.016	79	176222	20.558	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	205690	20.341	ng		99
17) 2-Methylphenol	7.128	107	154631	21.057	ng		99
18) Hexachloroethane	7.393	117	81405	21.517	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	140789	20.665	ng		100
20) 3+4-Methylphenols	7.281	107	198449	21.098	ng	#	73
22) Acetophenone	7.287	105	308907	26.143	ng		99
24) Nitrobenzene	7.457	77	200900	23.049	ng		99
25) Isophorone	7.698	82	365609	23.590	ng		99
26) 2-Nitrophenol	7.775	139	92364	21.591	ng		99
27) 2,4-Dimethylphenol	7.810	122	162808	27.639	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	221519	22.788	ng		99
29) 2,4-Dichlorophenol	8.016	162	158783	21.717	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	182835	22.691	ng		98
31) Naphthalene	8.187	128	572869	22.602	ng		100
32) Benzoic acid	7.893	122	112548	21.736	ng		99
33) 4-Chloroaniline	8.228	127	72772	8.133	ng		99
34) Hexachlorobutadiene	8.298	225	126143	24.006	ng		99
35) Caprolactam	8.575	113	51580	23.139	ng		97
36) 4-Chloro-3-methylphenol	8.704	107	160103	19.630	ng		98
37) 2-Methylnaphthalene	8.875	142	354626	20.933	ng		100
38) 1-Methylnaphthalene	8.975	142	346641	21.204	ng		99
40) 1,2,4,5-Tetrachloroben...	9.040	216	196214	26.968	ng		99
41) Hexachlorocyclopentadiene	9.028	237	89081	31.285	ng		97
43) 2,4,6-Trichlorophenol	9.151	196	110558	23.251	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141980.D
Acq On : 17 Mar 2025 14:30
Operator : RC/JU
Sample : Q1585-01MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-03142025MS

Quant Time: Mar 17 15:35:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

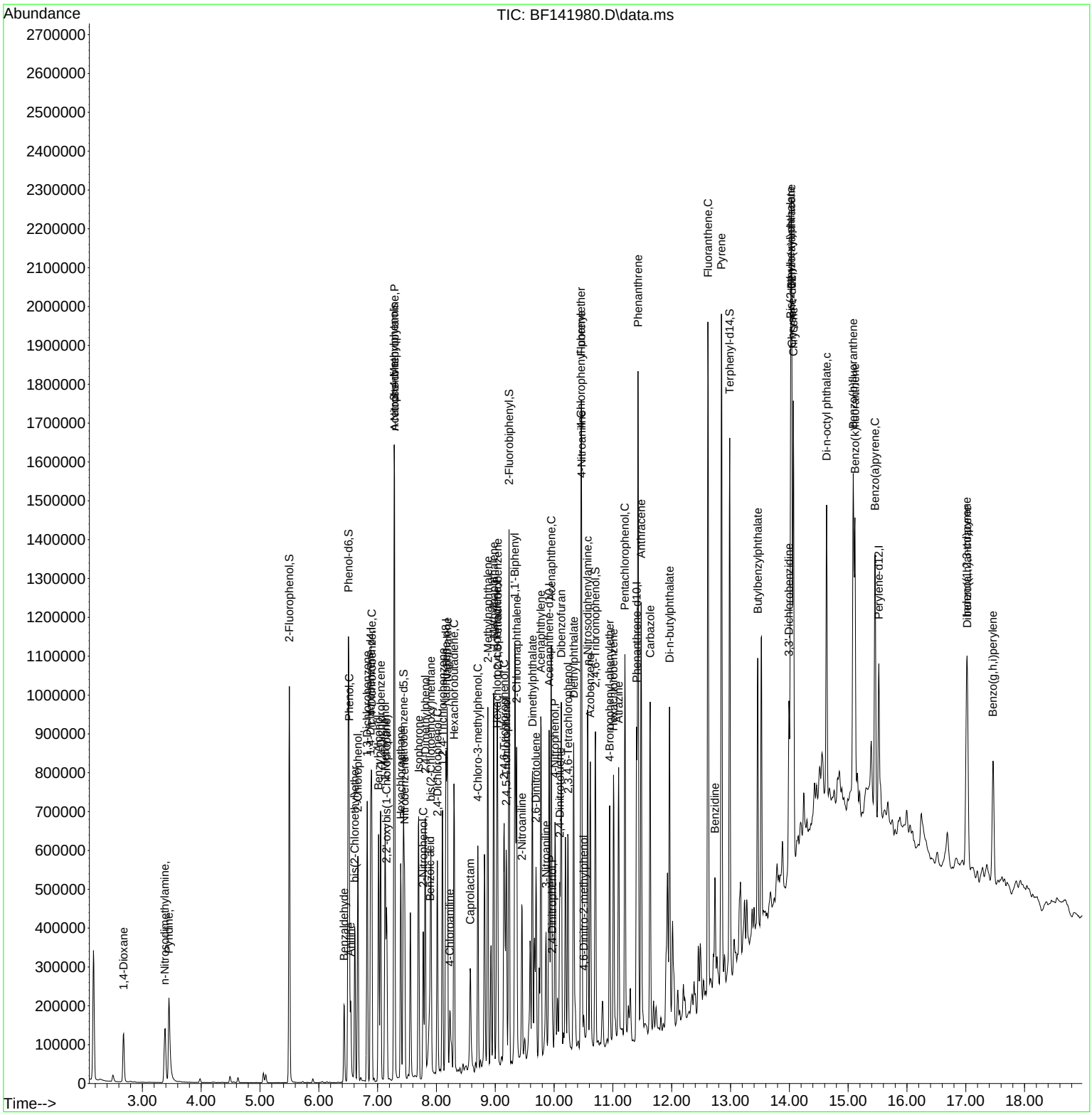
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	113013	23.467	ng	99
46) 1,1'-Biphenyl	9.334	154	488892	26.925	ng	99
47) 2-Chloronaphthalene	9.363	162	318869	23.561	ng	98
48) 2-Nitroaniline	9.451	65	93476	23.855	ng	98
49) Acenaphthylene	9.775	152	529391	26.360	ng	100
50) Dimethylphthalate	9.634	163	400627	23.940	ng	99
51) 2,6-Dinitrotoluene	9.692	165	77976	22.379	ng	97
52) Acenaphthene	9.951	154	335924	23.801	ng	100
53) 3-Nitroaniline	9.863	138	68567	19.400	ng	98
54) 2,4-Dinitrophenol	9.969	184	16055	14.017	ng	97
55) Dibenzofuran	10.122	168	465340	23.075	ng	99
56) 4-Nitrophenol	10.016	139	134101	50.312	ng	98
57) 2,4-Dinitrotoluene	10.098	165	101899	22.391	ng	97
58) Fluorene	10.463	166	397162	25.538	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	94204	21.497	ng	99
60) Diethylphthalate	10.334	149	381123	22.840	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	181796	22.422	ng	97
62) 4-Nitroaniline	10.469	138	70786	20.572	ng	98
63) Azobenzene	10.616	77	349006	22.497	ng	94
65) 4,6-Dinitro-2-methylph...	10.504	198	13669	5.701	ng	90
66) n-Nitrosodiphenylamine	10.569	169	299065	22.978	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	110273	21.832	ng	99
68) Hexachlorobenzene	11.010	284	122537	22.119	ng	99
69) Atrazine	11.098	200	118551	29.713	ng	98
70) Pentachlorophenol	11.204	266	159828	46.825	ng	99
71) Phenanthrene	11.428	178	899069	41.387	ng	99
72) Anthracene	11.481	178	602091	27.626	ng	99
73) Carbazole	11.633	167	481700	25.628	ng	99
74) Di-n-butylphthalate	11.963	149	571030	22.896	ng	99
75) Fluoranthene	12.616	202	983960	42.700	ng	100
77) Benzidine	12.733	184	164890	37.312	ng	99
78) Pyrene	12.845	202	1004516	36.662	ng	99
80) Butylbenzylphthalate	13.463	149	236626	22.065	ng	98
81) Benzo(a)anthracene	14.033	228	669134	32.193	ng	97
82) 3,3'-Dichlorobenzidine	13.992	252	130151	21.668	ng	99
83) Chrysene	14.069	228	598647	31.773	ng	98
84) Bis(2-ethylhexyl)phtha...	14.022	149	334726	22.638	ng	99
85) Di-n-octyl phthalate	14.633	149	511488	24.861	ng	99
87) Indeno(1,2,3-cd)pyrene	17.015	276	396395	24.719	ng	95
88) Benzo(b)fluoranthene	15.086	252	567086	33.378	ng	98
89) Benzo(k)fluoranthene	15.116	252	350299	24.093	ng	98
90) Benzo(a)pyrene	15.457	252	430507	32.384	ng	98
91) Dibenzo(a,h)anthracene	17.027	278	282448	21.348	ng	98
92) Benzo(g,h,i)perylene	17.462	276	317558	24.288	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141980.D
Acq On : 17 Mar 2025 14:30
Operator : RC/JU
Sample : Q1585-01MS 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-03142025MS

Quant Time: Mar 17 15:35:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141981.D
Acq On : 17 Mar 2025 15:00
Operator : RC/JU
Sample : Q1585-01MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 17 15:36:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OK-02-03142025MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	122962	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	428074	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	210222	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	360568	20.000	ng		0.00
76) Chrysene-d12	14.045	240	282638	20.000	ng		0.00
86) Perylene-d12	15.521	264	213270	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	357779	48.561	ng		0.00
7) Phenol-d6	6.504	99	425661	45.377	ng		0.00
23) Nitrobenzene-d5	7.439	82	265875	34.953	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	126929	47.593	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	515884	37.321	ng		0.00
79) Terphenyl-d14	12.986	244	626391	32.766	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	77134	24.986	ng		99
3) Pyridine	3.451	79	165090	21.802	ng		97
4) n-Nitrosodimethylamine	3.381	42	80462	22.291	ng		94
6) Aniline	6.539	93	111079	12.004	ng		100
8) 2-Chlorophenol	6.663	128	187703	22.971	ng		98
9) Benzaldehyde	6.434	77	50735	9.671	ng		96
10) Phenol	6.516	94	223020	22.599	ng		97
11) bis(2-Chloroethyl)ether	6.610	93	173616	23.429	ng		98
12) 1,3-Dichlorobenzene	6.822	146	206380	23.395	ng		98
13) 1,4-Dichlorobenzene	6.898	146	210826	23.620	ng		99
14) 1,2-Dichlorobenzene	7.051	146	196004	23.314	ng		99
15) Benzyl Alcohol	7.016	79	160230	21.128	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	190198	21.260	ng		100
17) 2-Methylphenol	7.128	107	141763	21.820	ng		99
18) Hexachloroethane	7.392	117	72524	21.668	ng		98
19) n-Nitroso-di-n-propyla...	7.286	70	125800	20.871	ng		99
20) 3+4-Methylphenols	7.281	107	185060	22.238	ng	#	74
22) Acetophenone	7.286	105	279857	27.299	ng		99
24) Nitrobenzene	7.457	77	183578	24.276	ng		100
25) Isophorone	7.698	82	333584	24.809	ng		99
26) 2-Nitrophenol	7.775	139	81983	22.089	ng		98
27) 2,4-Dimethylphenol	7.810	122	147078	28.780	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	200722	23.801	ng		99
29) 2,4-Dichlorophenol	8.016	162	145170	22.886	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	165028	23.607	ng		99
31) Naphthalene	8.186	128	524501	23.852	ng		99
32) Benzoic acid	7.886	122	108252m	24.097	ng		
33) 4-Chloroaniline	8.228	127	86978	11.205	ng		98
34) Hexachlorobutadiene	8.298	225	116089	25.465	ng		97
35) Caprolactam	8.575	113	47281	24.448	ng		97
36) 4-Chloro-3-methylphenol	8.704	107	148595	21.000	ng		98
37) 2-Methylnaphthalene	8.875	142	321291	21.859	ng		99
38) 1-Methylnaphthalene	8.975	142	314911	22.203	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	180198	28.154	ng		99
41) Hexachlorocyclopentadiene	9.028	237	54883	21.911	ng		96
43) 2,4,6-Trichlorophenol	9.151	196	99411	23.766	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141981.D
Acq On : 17 Mar 2025 15:00
Operator : RC/JU
Sample : Q1585-01MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 17 15:36:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OK-02-03142025MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	101841	24.039	ng		98
46) 1,1'-Biphenyl	9.339	154	450681	28.215	ng		99
47) 2-Chloronaphthalene	9.363	162	293294	24.635	ng		98
48) 2-Nitroaniline	9.457	65	87104	25.269	ng		96
49) Acenaphthylene	9.780	152	489709	27.718	ng		99
50) Dimethylphthalate	9.633	163	361750	24.573	ng		100
51) 2,6-Dinitrotoluene	9.692	165	71293	23.259	ng		98
52) Acenaphthene	9.951	154	305530	24.608	ng		99
53) 3-Nitroaniline	9.863	138	66296	21.323	ng		99
54) 2,4-Dinitrophenol	9.969	184	9121	11.380	ng	#	32
55) Dibenzofuran	10.122	168	428947	24.179	ng		98
56) 4-Nitrophenol	10.016	139	122925	52.427	ng		98
57) 2,4-Dinitrotoluene	10.098	165	93849	23.443	ng	#	97
58) Fluorene	10.463	166	368013	26.900	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	87893	22.799	ng		99
60) Diethylphthalate	10.333	149	342607	23.340	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	165480	23.200	ng		98
62) 4-Nitroaniline	10.469	138	69514	22.965	ng		95
63) Azobenzene	10.616	77	321117	23.530	ng		94
65) 4,6-Dinitro-2-methylph...	10.504	198	8384	3.900	ng		82
66) n-Nitrosodiphenylamine	10.574	169	280032	24.000	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	101979	22.520	ng		99
68) Hexachlorobenzene	11.016	284	115374	23.230	ng		95
69) Atrazine	11.098	200	112097	31.338	ng		98
70) Pentachlorophenol	11.204	266	147715	48.273	ng		99
71) Phenanthrene	11.427	178	841818	43.225	ng		99
72) Anthracene	11.480	178	577698	29.566	ng		99
73) Carbazole	11.633	167	460642	27.337	ng		99
74) Di-n-butylphthalate	11.963	149	535762	23.962	ng		99
75) Fluoranthene	12.616	202	935046	45.261	ng		100
77) Benzidine	12.739	184	194488	49.321	ng		100
78) Pyrene	12.845	202	950264	38.868	ng		99
80) Butylbenzylphthalate	13.463	149	224636	23.475	ng		98
81) Benzo(a)anthracene	14.033	228	616040	33.215	ng		97
82) 3,3'-Dichlorobenzidine	13.998	252	127292	23.750	ng		98
83) Chrysene	14.068	228	560472	33.337	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	317279	24.047	ng		99
85) Di-n-octyl phthalate	14.633	149	467953	25.490	ng		99
87) Indeno(1,2,3-cd)pyrene	17.015	276	365791	26.514	ng		96
88) Benzo(b)fluoranthene	15.086	252	499038	34.142	ng		98
89) Benzo(k)fluoranthene	15.115	252	342364	27.371	ng		98
90) Benzo(a)pyrene	15.457	252	393947	34.445	ng		98
91) Dibenzo(a,h)anthracene	17.033	278	257236	22.599	ng		99
92) Benzo(g,h,i)perylene	17.468	276	292869	26.036	ng		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

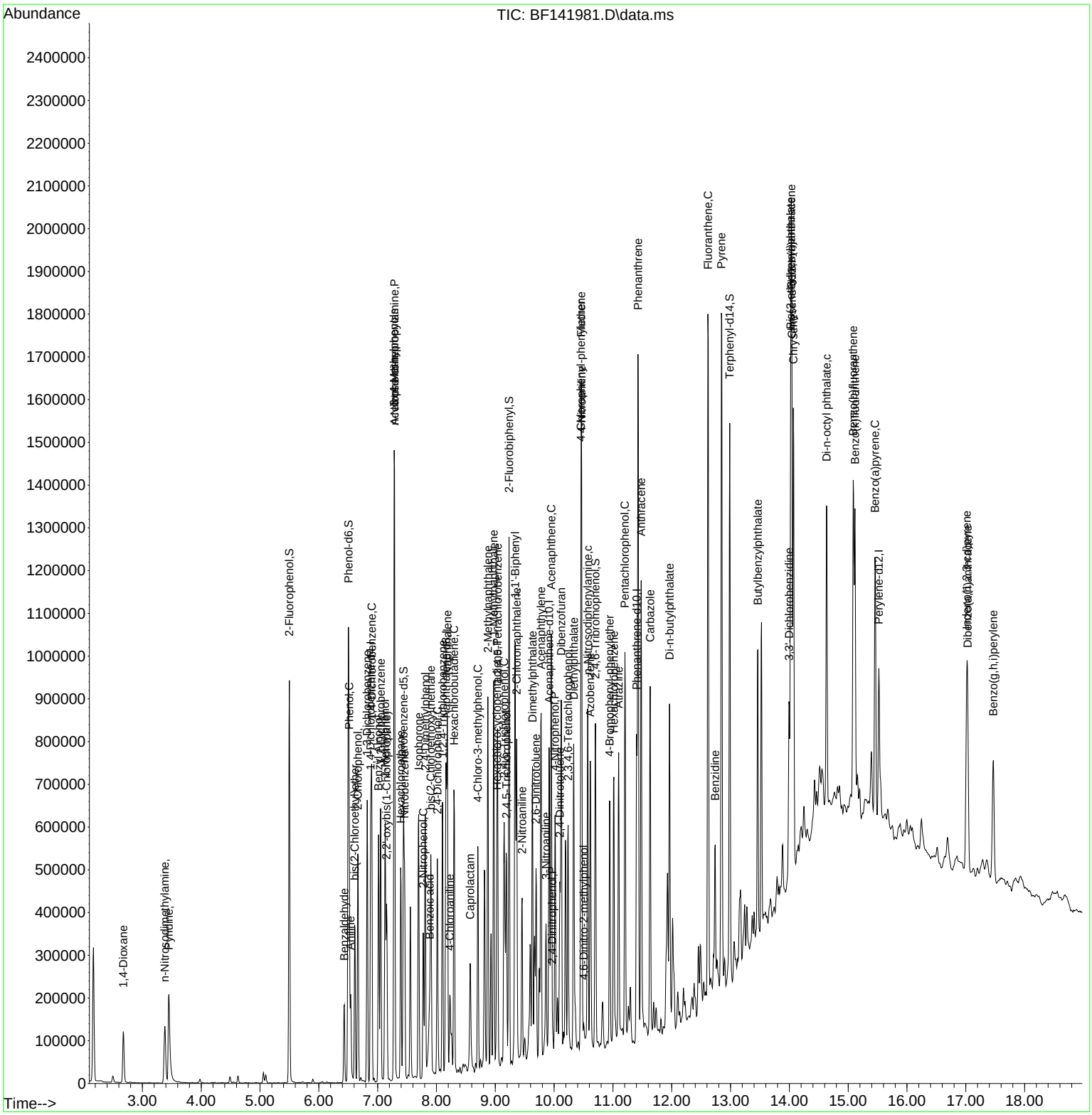
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141981.D
Acq On : 17 Mar 2025 15:00
Operator : RC/JU
Sample : Q1585-01MSD 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 17 15:36:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OK-02-03142025MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BF031025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF141904.D	Caprolactam	anahy	3/11/2025 9:10:54 AM	Jagrut	3/11/2025 10:18:21 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BF031725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141973.D	Benzo(k)fluoranthene	anahy	3/18/2025 4:19:42 PM	Jagrut	3/18/2025 4:41:59 PM	Peak Integrated by Software
Q1585-01MSD	BF141981.D	Benzoic acid	anahy	3/18/2025 9:43:19 AM	Jagrut	3/18/2025 11:40:56 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BP031225	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024161.D	Benzaldehyde	anahy	3/13/2025 11:10:33 AM	Jagrut	3/13/2025 11:45:04 AM	Peak Integrated by Software
SSTDICC050	BP024165.D	Pyridine	anahy	3/13/2025 11:11:20 AM	Jagrut	3/13/2025 11:45:07 AM	Peak Integrated by Software
SSTDICC060	BP024166.D	Indeno(1,2,3-cd)pyrene	anahy	3/13/2025 11:38:58 AM	Jagrut	3/13/2025 11:45:09 AM	Peak Integrated by Software
SSTDICC060	BP024166.D	Pyridine	anahy	3/13/2025 11:38:58 AM	Jagrut	3/13/2025 11:45:09 AM	Peak Integrated by Software
SSTDICC080	BP024167.D	Pyridine	anahy	3/13/2025 11:39:57 AM	Jagrut	3/13/2025 11:45:11 AM	Peak Integrated by Software
SSTDICV040	BP024168.D	Benzo(g,h,i)perylene	anahy	3/13/2025 11:40:49 AM	Jagrut	3/13/2025 11:45:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP031825	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM				
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM				
SubDirectory	BF031025	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141896.D	10 Mar 2025 10:31	RC/JU	Ok
2	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01	RC/JU	Ok
3	SSTDICC005	BF141898.D	10 Mar 2025 11:30	RC/JU	Ok
4	SSTDICC010	BF141899.D	10 Mar 2025 12:00	RC/JU	Ok
5	SSTDICC020	BF141900.D	10 Mar 2025 12:29	RC/JU	Ok
6	SSTDICCC040	BF141901.D	10 Mar 2025 12:58	RC/JU	Ok
7	SSTDICC050	BF141902.D	10 Mar 2025 13:28	RC/JU	Not Ok
8	SSTDICC060	BF141903.D	10 Mar 2025 13:57	RC/JU	Ok
9	SSTDICC080	BF141904.D	10 Mar 2025 14:27	RC/JU	Ok,M
10	SSTDICC050	BF141905.D	10 Mar 2025 15:20	RC/JU	Ok
11	SSTDICV040	BF141906.D	10 Mar 2025 15:53	RC/JU	Ok
12	PB167012BL	BF141907.D	10 Mar 2025 17:09	RC/JU	Ok
13	SP6752	BF141908.D	10 Mar 2025 17:39	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031725

Review By	anahy	Review On	3/18/2025 9:44:22 AM				
Supervise By	Jagrut	Supervise On	3/18/2025 11:41:13 AM				
SubDirectory	BF031725	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141972.D	17 Mar 2025 09:10	RC/JU	Ok
2	SSTDCCC040	BF141973.D	17 Mar 2025 09:39	RC/JU	Ok,M
3	PB167138BL	BF141974.D	17 Mar 2025 10:09	RC/JU	Ok
4	PB167138BS	BF141975.D	17 Mar 2025 10:38	RC/JU	Ok,M
5	Q1549-01	BF141976.D	17 Mar 2025 11:12	RC/JU	Ok,M
6	Q1585-01	BF141977.D	17 Mar 2025 13:01	RC/JU	Ok,M
7	Q1574-01	BF141978.D	17 Mar 2025 13:31	RC/JU	Not Ok
8	Q1581-01	BF141979.D	17 Mar 2025 14:00	RC/JU	Ok,M
9	Q1585-01MS	BF141980.D	17 Mar 2025 14:30	RC/JU	Ok
10	Q1585-01MSD	BF141981.D	17 Mar 2025 15:00	RC/JU	Ok,M
11	Q1574-01	BF141982.D	17 Mar 2025 15:29	RC/JU	Dilution
12	Q1568-04	BF141983.D	17 Mar 2025 16:01	RC/JU	Ok
13	Q1574-01DL	BF141984.D	17 Mar 2025 17:00	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP031225

Review By	anahy	Review On	3/13/2025 11:41:15 AM		
Supervise By	Jagrut	Supervise On	3/17/2025 4:44:19 PM		
SubDirectory	BP031225	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024159.D	12 Mar 2025 15:36	RC/JU	Ok
2	SSTDICC2.5	BP024160.D	12 Mar 2025 16:17	RC/JU	Ok
3	SSTDICC005	BP024161.D	12 Mar 2025 16:57	RC/JU	Ok,M
4	SSTDICC010	BP024162.D	12 Mar 2025 17:38	RC/JU	Ok
5	SSTDICC020	BP024163.D	12 Mar 2025 18:19	RC/JU	Ok
6	SSTDICCC040	BP024164.D	12 Mar 2025 19:00	RC/JU	Ok
7	SSTDICC050	BP024165.D	12 Mar 2025 19:41	RC/JU	Ok,M
8	SSTDICC060	BP024166.D	12 Mar 2025 20:21	RC/JU	Ok,M
9	SSTDICC080	BP024167.D	12 Mar 2025 21:02	RC/JU	Ok,M
10	SSTDICV040	BP024168.D	12 Mar 2025 21:43	RC/JU	Ok,M
11	PB167078BL	BP024169.D	12 Mar 2025 22:24	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP031825

Review By	anahy	Review On	3/19/2025 9:19:50 AM		
Supervise By	mohammad	Supervise On	3/24/2025 3:03:08 AM		
SubDirectory	BP031825	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024178.D	18 Mar 2025 09:05	RC/JU	Ok
2	SSTDCCC040	BP024179.D	18 Mar 2025 09:46	RC/JU	Ok
3	PB167157BL	BP024180.D	18 Mar 2025 10:26	RC/JU	Ok
4	PB167157BS	BP024181.D	18 Mar 2025 11:07	RC/JU	Ok
5	PB167171BS	BP024182.D	18 Mar 2025 11:48	RC/JU	Ok,M
6	PB167171BSD	BP024183.D	18 Mar 2025 12:29	RC/JU	Ok,M
7	PB167171BL	BP024184.D	18 Mar 2025 13:10	RC/JU	Ok
8	Q1583-02	BP024185.D	18 Mar 2025 13:57	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM		
SubDirectory	BF031025	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141896.D	10 Mar 2025 10:31		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141898.D	10 Mar 2025 11:30	Compound#9,32,54,65 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141899.D	10 Mar 2025 12:00		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF141900.D	10 Mar 2025 12:29	Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77.	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF141901.D	10 Mar 2025 12:58		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141902.D	10 Mar 2025 13:28	Not used	RC/JU	Not Ok
8	SSTDICC060	SSTDICC060	BF141903.D	10 Mar 2025 13:57	Compound#69 Removed from 60 ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141904.D	10 Mar 2025 14:27	Compound#9,69 Removed from 80 ppm	RC/JU	Ok,M
10	SSTDICC050	SSTDICC050	BF141905.D	10 Mar 2025 15:20		RC/JU	Ok
11	SSTDICV040	ICVBF031025	BF141906.D	10 Mar 2025 15:53		RC/JU	Ok
12	PB167012BL	PB167012BL	BF141907.D	10 Mar 2025 17:09		RC/JU	Ok
13	SP6752	SP6752	BF141908.D	10 Mar 2025 17:39	8270 SPIKE-SP6752	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031725

Review By	anahy	Review On	3/18/2025 9:44:22 AM		
Supervise By	Jagrut	Supervise On	3/18/2025 11:41:13 AM		
SubDirectory	BF031725	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141972.D	17 Mar 2025 09:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141973.D	17 Mar 2025 09:39		RC/JU	Ok,M
3	PB167138BL	PB167138BL	BF141974.D	17 Mar 2025 10:09		RC/JU	Ok
4	PB167138BS	PB167138BS	BF141975.D	17 Mar 2025 10:38		RC/JU	Ok,M
5	Q1549-01	72-11978	BF141976.D	17 Mar 2025 11:12		RC/JU	Ok,M
6	Q1585-01	OK-02-03142025	BF141977.D	17 Mar 2025 13:01		RC/JU	Ok,M
7	Q1574-01	WC1	BF141978.D	17 Mar 2025 13:31	Poor internal standard recovery, Analyze with straight 5X	RC/JU	Not Ok
8	Q1581-01	TR-06-031425	BF141979.D	17 Mar 2025 14:00		RC/JU	Ok,M
9	Q1585-01MS	OK-02-03142025MS	BF141980.D	17 Mar 2025 14:30		RC/JU	Ok
10	Q1585-01MSD	OK-02-03142025MSD	BF141981.D	17 Mar 2025 15:00		RC/JU	Ok,M
11	Q1574-01	WC1	BF141982.D	17 Mar 2025 15:29	Need further 5X Dilution	RC/JU	Dilution
12	Q1568-04	JC-03-03132025	BF141983.D	17 Mar 2025 16:01		RC/JU	Ok
13	Q1574-01DL	WC1DL	BF141984.D	17 Mar 2025 17:00		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP031225

Review By	anahy	Review On	3/13/2025 11:41:15 AM		
Supervise By	Jagrut	Supervise On	3/17/2025 4:44:19 PM		
SubDirectory	BP031225	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024159.D	12 Mar 2025 15:36		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024160.D	12 Mar 2025 16:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024161.D	12 Mar 2025 16:57	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024162.D	12 Mar 2025 17:38		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BP024163.D	12 Mar 2025 18:19		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BP024164.D	12 Mar 2025 19:00	This calibration is good for 8270E and 8270E DOD methods	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024165.D	12 Mar 2025 19:41		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024166.D	12 Mar 2025 20:21	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024167.D	12 Mar 2025 21:02	Compound #32,54,69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP031225	BP024168.D	12 Mar 2025 21:43		RC/JU	Ok,M
11	PB167078BL	PB167078BL	BP024169.D	12 Mar 2025 22:24		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP031825

Review By	anahy	Review On	3/19/2025 9:19:50 AM		
Supervise By	mohammad	Supervise On	3/24/2025 3:03:08 AM		
SubDirectory	BP031825	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12655,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024178.D	18 Mar 2025 09:05		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024179.D	18 Mar 2025 09:46		RC/JU	Ok
3	PB167157BL	PB167157BL	BP024180.D	18 Mar 2025 10:26		RC/JU	Ok
4	PB167157BS	PB167157BS	BP024181.D	18 Mar 2025 11:07		RC/JU	Ok
5	PB167171BS	PB167171BS	BP024182.D	18 Mar 2025 11:48		RC/JU	Ok,M
6	PB167171BSD	PB167171BSD	BP024183.D	18 Mar 2025 12:29		RC/JU	Ok,M
7	PB167171BL	PB167171BL	BP024184.D	18 Mar 2025 13:10		RC/JU	Ok
8	Q1583-02	EFF-WASTE WATER	BP024185.D	18 Mar 2025 13:57	Surrogate Fail	RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167157

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/17/2025
Matrix :	Solid			**Extraction Start Time :**	09:15
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	03/17/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:15
Balance ID:	EX-SC-1	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	N/A	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2593
Sand	N/A	EP2865
Methylene Chloride	N/A	E3904
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/17/25	RS (Ext lab)	RC/SVOC
12:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167157

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/17/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167157BL	SBLK157	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U2-1
PB167157BS	SLCS157	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1574-01	WC1	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	C		3
Q1581-01	TR-06-031425	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q1585-01	OK-02-03142025	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		5
Q1585-01MS	OK-02-03142025MS	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		6
Q1585-01MS D	OK-02-03142025MSD	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		U3-1

RS 3/17

* **Extracts relinguished on the same date as received.**

Q1574 9:15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1585BN **WorkList ID :** 188311 **Department :** Extraction **Date :** 03-17-2025 08:41:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1574-01	WC1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GENV01	I41	03/12/2025	8270E
Q1581-01	TR-06-031425	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	I41	03/14/2025	8270E
Q1585-01	OK-02-03142025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	I41	03/14/2025	8270E

Date/Time 03/17/25 9:10
Raw Sample Received by: RJ (EH-Lab)
Raw Sample Relinquished by: OA SM

Date/Time 03/17/25 9:30
Raw Sample Received by: OA SM
Raw Sample Relinquished by: RJ (EH-Lab)

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LAB CHRONICLE

OrderID:	Q1574	**OrderDate:**	3/14/2025 11:25:00 AM
Client:	G Environmental	**Project:**	Ave L
Contact:	Gary Landis	**Location:**	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1574-01	**WC1**	**SOIL**			**03/12/25**			**03/14/25**
			SVOC-TCL BNA -20	8270E		03/17/25	03/17/25	
Q1574-01DL	**WC1DL**	**SOIL**			**03/12/25**			**03/14/25**
			SVOC-TCL BNA -20	8270E		03/17/25	03/17/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1574 **Order ID:** Q1574

Client: G Environmental **Project ID:** Ave L

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q1574-01	WC1	SOIL	Aroclor-1254	884	E	3.30	17.3	ug/kg
			Total Concentration:	**884.000**				
Client ID : WC1DL								
Q1574-01DL	WC1DL	SOIL	Aroclor-1254	873	D	16.4	86.6	ug/kg
			Total Concentration:	**873.000**				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	98 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109929.D	1	03/14/25 12:25	03/17/25 11:02	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.00	U	4.00	17.3	ug/kg
11104-28-2	Aroclor-1221	4.10	U	4.10	17.3	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	17.3	ug/kg
53469-21-9	Aroclor-1242	4.10	U	4.10	17.3	ug/kg
12672-29-6	Aroclor-1248	6.00	U	6.00	17.3	ug/kg
11097-69-1	Aroclor-1254	884	E	3.30	17.3	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	17.3	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	17.3	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	17.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		30 (32) - 150 (144)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	27.8		30 (32) - 150 (175)	139%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1DL	SDG No.:	Q1574
Lab Sample ID:	Q1574-01DL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	98 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109930.D	5	03/14/25 12:25	03/17/25 11:20	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	20.1	UD	20.1	86.6	ug/kg
11104-28-2	Aroclor-1221	20.5	UD	20.5	86.6	ug/kg
11141-16-5	Aroclor-1232	18.9	UD	18.9	86.6	ug/kg
53469-21-9	Aroclor-1242	20.4	UD	20.4	86.6	ug/kg
12672-29-6	Aroclor-1248	30.2	UD	30.2	86.6	ug/kg
11097-69-1	Aroclor-1254	873	D	16.4	86.6	ug/kg
37324-23-5	Aroclor-1262	25.6	UD	25.6	86.6	ug/kg
11100-14-4	Aroclor-1268	18.3	UD	18.3	86.6	ug/kg
11096-82-5	Aroclor-1260	16.5	UD	16.5	86.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		30 (32) - 150 (144)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	32.6	*	30 (32) - 150 (175)	163%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO109425.D	PIBLK-PO109425.D	Tetrachloro-m-xylene	1	20	25.3	126		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	25.3	126		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.1	121		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	25.5	127		70 (60)	130 (140)
I.BLK-PO109927.D	PIBLK-PO109927.D	Tetrachloro-m-xylene	1	20	20.0	100		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.1	86		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.4	102		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.4	87		70 (60)	130 (140)
Q1574-01	WC1	Tetrachloro-m-xylene	1	20	18.4	92		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	27.8	139		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.8	99		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.6	118		30 (32)	150 (175)
Q1574-01DL	WC1DL	Tetrachloro-m-xylene	1	20	20.4	102		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	32.6	163	*	30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.6	93		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.8	119		30 (32)	150 (175)
I.BLK-PO109939.D	PIBLK-PO109939.D	Tetrachloro-m-xylene	1	20	20.4	102		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.6	88		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.5	103		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	16.5	83		70 (60)	130 (140)
I.BLK-PP070418.D	PIBLK-PP070418.D	Tetrachloro-m-xylene	1	20	22.0	110		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.1	116		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	23.0	115		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.5	117		70 (60)	130 (140)
I.BLK-PP070547.D	PIBLK-PP070547.D	Tetrachloro-m-xylene	1	20	19.5	97		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.3	101		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	20.5	102		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.4	102		70 (60)	130 (140)
PB167143BL	PB167143BL	Tetrachloro-m-xylene	1	20	20.4	102		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.2	106		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.0	105		30 (32)	150 (175)
PB167143BS	PB167143BS	Tetrachloro-m-xylene	1	20	21.4	107		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.8	109		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.7	108		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.0	100		30 (32)	150 (175)
I.BLK-PP070562.D	PIBLK-PP070562.D	Tetrachloro-m-xylene	1	20	20.1	100		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.9	104		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.2	106		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.2	101		70 (60)	130 (140)
Q1572-06MS	C0O18MS	Tetrachloro-m-xylene	1	20	20.3	101		30 (32)	150 (144)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
Q1572-06MS	C0O18MS	Decachlorobiphenyl	1	20	21.8	109		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.0	95		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	34.0	170	*	30 (32)	150 (175)
Q1572-06MSD	C0O18MSD	Tetrachloro-m-xylene	1	20	20.8	104		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	22.3	112		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	33.2	166	*	30 (32)	150 (175)
I.BLK-PP070572.D	PIBLK-PP070572.D	Tetrachloro-m-xylene	1	20	20.2	101		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.0	105		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.1	105		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.5	102		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8082A **DataFile :** PP070564.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**C0O18MS**											
Q1572-06MS	AR1016	218.8	0	16000	ug/kg	7313	*			40 (55)	140 (146)	
	AR1260	218.8	930	1300	ug/kg	169	*			40 (31)	140 (146)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8082A **DataFile :** PP070565.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**C0O18MSD**											
Q1572-06MSD	AR1016	218.6	0	17000	ug/kg	7777	*	6		40 (55)	140 (146)	30 (20)
	AR1260	218.6	930	1400	ug/kg	215	*	24		40 (31)	140 (146)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1574

Client: G Environmental

Analytical Method: 8082A **Datafile :** PP070549.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167143BS	AR1016	166.5	152	ug/kg	91				40 (71)	140 (120)	
	AR1260	166.5	145	ug/kg	87				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167143BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: PB167143BL Lab File ID: PP070548.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 03/14/2025

Date Analyzed (1): 03/14/2025 Date Analyzed (2): 03/14/2025

Time Analyzed (1): 22:36 Time Analyzed (2): 22:36

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
WC1	Q1574-01	PO109929.D	03/17/2025	03/17/2025
PB167143BS	PB167143BS	PP070549.D	03/14/2025	03/14/2025
C0O18MS	Q1572-06MS	PP070564.D	03/15/2025	03/15/2025
C0O18MSD	Q1572-06MSD	PP070565.D	03/15/2025	03/15/2025

COMMENTS:

QC SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167143BL		SDG No.:	Q1574	
Lab Sample ID:	PB167143BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070548.D	1	03/14/25 12:25	03/14/25 22:36	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		30 (32) - 150 (144)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		30 (32) - 150 (175)	106%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	G Environmental		Date Collected:	02/20/25	
Project:	Ave L		Date Received:	02/20/25	
Client Sample ID:	PIBLK-PO109425.D		SDG No.:	Q1574	
Lab Sample ID:	I.BLK-PO109425.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109425.D	1		02/20/25	PO022025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		70 (60) - 130 (140)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.3		70 (60) - 130 (140)	126%	SPK: 20

Comments:

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LOD = Limit of Detection
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B = Analyte Found in Associated Method Blank
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/17/25
Project:	Ave L	Date Received:	03/17/25
Client Sample ID:	PIBLK-PO109927.D	SDG No.:	Q1574
Lab Sample ID:	I.BLK-PO109927.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109927.D	1		03/17/25	PO031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		70 (60) - 130 (140)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		70 (60) - 130 (140)	86%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:	03/17/25	
Project:	Ave L		Date Received:	03/17/25	
Client Sample ID:	PIBLK-PO109939.D		SDG No.:	Q1574	
Lab Sample ID:	I.BLK-PO109939.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO109939.D	1		03/17/25	PO031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		70 (60) - 130 (140)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.5		70 (60) - 130 (140)	83%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/11/25
Project:	Ave L	Date Received:	03/11/25
Client Sample ID:	PIBLK-PP070418.D	SDG No.:	Q1574
Lab Sample ID:	I.BLK-PP070418.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070418.D	1		03/11/25	pp031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		70 (60) - 130 (140)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		70 (60) - 130 (140)	116%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	G Environmental	Date Collected:	03/14/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	PIBLK-PP070547.D	SDG No.:	Q1574
Lab Sample ID:	I.BLK-PP070547.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070547.D	1		03/14/25	pp031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		70 (60) - 130 (140)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		70 (60) - 130 (140)	101%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	G Environmental	Date Collected:	03/15/25
Project:	Ave L	Date Received:	03/15/25
Client Sample ID:	PIBLK-PP070562.D	SDG No.:	Q1574
Lab Sample ID:	I.BLK-PP070562.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070562.D	1		03/15/25	pp031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		70 (60) - 130 (140)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		70 (60) - 130 (140)	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	G Environmental	Date Collected:	03/15/25
Project:	Ave L	Date Received:	03/15/25
Client Sample ID:	PIBLK-PP070572.D	SDG No.:	Q1574
Lab Sample ID:	I.BLK-PP070572.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070572.D	1		03/15/25	pp031425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		70 (60) - 130 (140)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		70 (60) - 130 (140)	102%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167143BS		SDG No.:	Q1574	
Lab Sample ID:	PB167143BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070549.D	1	03/14/25 12:25	03/14/25 22:52	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	152		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	145		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		30 (32) - 150 (144)	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		30 (32) - 150 (175)	109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	C0O18MS	SDG No.:	Q1574
Lab Sample ID:	Q1572-06MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070564.D	1	03/14/25 12:25	03/15/25 03:29	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	16000	E	5.20	22.3	ug/kg
11104-28-2	Aroclor-1221	5.30	U	5.30	22.3	ug/kg
11141-16-5	Aroclor-1232	4.90	U	4.90	22.3	ug/kg
53469-21-9	Aroclor-1242	5.30	U	5.30	22.3	ug/kg
12672-29-6	Aroclor-1248	18000	E	7.80	22.3	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	22.3	ug/kg
37324-23-5	Aroclor-1262	6.60	U	6.60	22.3	ug/kg
11100-14-4	Aroclor-1268	4.70	U	4.70	22.3	ug/kg
11096-82-5	Aroclor-1260	1300	E	4.20	22.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		30 (32) - 150 (144)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	34.0	*	30 (32) - 150 (175)	170%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	C0O18MSD	SDG No.:	Q1574
Lab Sample ID:	Q1572-06MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	76 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070565.D	1	03/14/25 12:25	03/15/25 03:45	PB167143

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	17000	E	5.20	22.3	ug/kg
11104-28-2	Aroclor-1221	5.30	U	5.30	22.3	ug/kg
11141-16-5	Aroclor-1232	4.90	U	4.90	22.3	ug/kg
53469-21-9	Aroclor-1242	5.30	U	5.30	22.3	ug/kg
12672-29-6	Aroclor-1248	19000	E	7.80	22.3	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	22.3	ug/kg
37324-23-5	Aroclor-1262	6.60	U	6.60	22.3	ug/kg
11100-14-4	Aroclor-1268	4.70	U	4.70	22.3	ug/kg
11096-82-5	Aroclor-1260	1400	E	4.20	22.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		30 (32) - 150 (144)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	33.2	*	30 (32) - 150 (175)	166%	SPK: 20

Comments:

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MDL = Method Detection Limit
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO109426.D RT 750 = PO109427.D

RT 500 = PO109428.D RT 250 = PO109429.D RT 050 = PO109430.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1016-2	(2)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1016-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-5	(5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1	(1)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2	(2)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1260-3	(3)	6.85	6.85	6.85	6.85	6.84	6.85	6.75	6.95
Aroclor-1260-4	(4)	7.11	7.11	7.11	7.11	7.10	7.11	7.01	7.21
Aroclor-1260-5	(5)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1242-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1242-2	(2)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1242-3	(3)	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Aroclor-1242-4	(4)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1242-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1248-1	(1)	4.79	4.79	4.79	4.79	4.79	4.79	4.69	4.89
Aroclor-1248-2	(2)	5.03	5.03	5.03	5.03	5.03	5.03	4.93	5.13
Aroclor-1248-3	(3)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1248-4	(4)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1248-5	(5)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Decachlorobiphenyl		8.76	8.76	8.76	8.76	8.75	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1254-1	(1)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1254-2	(2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3	(3)	6.16	6.16	6.16	6.16	6.16	6.16	6.06	6.26
Aroclor-1254-4	(4)	6.38	6.39	6.39	6.39	6.38	6.39	6.29	6.49
Aroclor-1254-5	(5)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Decachlorobiphenyl		8.75	8.76	8.76	8.76	8.76	8.76	8.66	8.86
Tetrachloro-m-xylene		3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80
Aroclor-1268-1	(1)	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
Aroclor-1268-2	(2)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-3	(3)	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Aroclor-1268-4	(4)	8.19	8.19	8.19	8.19	8.19	8.19	8.09	8.29
Aroclor-1268-5	(5)	8.49	8.49	8.49	8.49	8.49	8.49	8.39	8.59

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.76	8.76	8.75	8.76	8.75	8.76	8.66	8.86
Tetrachloro-m-xylene	3.70	3.70	3.70	3.70	3.70	3.70	3.60	3.80

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO109426.D RT 750 = PO109427.D

RT 500 = PO109428.D RT 250 = PO109429.D RT 050 = PO109430.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1016-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1016-5	(5)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1260-1	(1)	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Aroclor-1260-2	(2)	6.45	6.45	6.45	6.45	6.45	6.45	6.35	6.55
Aroclor-1260-3	(3)	6.60	6.60	6.60	6.60	6.60	6.60	6.50	6.70
Aroclor-1260-4	(4)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-5	(5)	7.31	7.31	7.31	7.31	7.31	7.31	7.21	7.41
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1242-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-2	(2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1242-3	(3)	4.97	4.97	4.97	4.97	4.97	4.97	4.87	5.07
Aroclor-1242-4	(4)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1242-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1248-1	(1)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1248-2	(2)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1248-4	(4)	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
Aroclor-1248-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1254-1	(1)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Aroclor-1254-2	(2)	5.73	5.73	5.73	5.73	5.73	5.73	5.63	5.83
Aroclor-1254-3	(3)	6.13	6.13	6.13	6.13	6.13	6.13	6.03	6.23
Aroclor-1254-4	(4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26	6.46
Aroclor-1254-5	(5)	6.77	6.78	6.77	6.78	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.71	8.71	8.71	8.71	8.71	8.71	8.61	8.81
Tetrachloro-m-xylene		3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79
Aroclor-1268-1	(1)	7.60	7.60	7.60	7.60	7.60	7.60	7.50	7.70
Aroclor-1268-2	(2)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Aroclor-1268-3	(3)	7.87	7.87	7.87	7.87	7.87	7.87	7.77	7.97
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.45	8.45	8.45	8.45	8.45	8.45	8.35	8.55

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.71	8.71	8.71	8.71	8.70	8.71	8.61	8.81
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PO109426.D **CF 750 =** PO109427.D

CF 500 = PO109428.D **CF 250 =** PO109429.D **CF 050 =** PO109430.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	285955176	296470909	301678880	330073932	327272520	308290283	6
Aroclor-1016-2	(2)	400344510	409149469	414645114	446605912	434387780	421026557	5
Aroclor-1016-3	(3)	275712654	284750529	289403798	321232168	307985600	295816950	6
Aroclor-1016-4	(4)	217819857	224475380	225979744	249359212	241266360	231780111	6
Aroclor-1016-5	(5)	234915990	244172492	252269048	280073416	279718840	258229957	8
Aroclor-1260-1	(1)	432857882	445030616	458030860	496965692	497771560	466131322	6
Aroclor-1260-2	(2)	530613873	540598143	549997768	596865796	607516180	565118352	6
Aroclor-1260-3	(3)	446055940	458685821	463532386	505033376	504998020	475661109	6
Aroclor-1260-4	(4)	409227231	417077069	426071740	458083200	447546300	431601108	5
Aroclor-1260-5	(5)	975246933	982402905	1001465846	1034939896	975352280	993881572	3
Decachlorobiphenyl		8144381710	8253336907	8542716440	9068866760	9000001000	8601860563	5
Tetrachloro-m-xylene		9594159870	9382441773	9407964980	9839303320	9101752600	9465124509	3
Aroclor-1242-1	(1)	241553792	248781753	263582376	278206104	276700060	261764817	6
Aroclor-1242-2	(2)	330250979	341141312	360022594	377835792	370979720	356046079	6
Aroclor-1242-3	(3)	230958690	239403319	256570990	271941764	257976860	251370325	6
Aroclor-1242-4	(4)	181873604	188232188	200194694	210194852	201763980	196451864	6
Aroclor-1242-5	(5)	192196869	198312276	212424054	232317448	236630280	214376185	9
Decachlorobiphenyl		7571460160	7783053733	8197005760	8686332120	8704566000	8188483555	6
Tetrachloro-m-xylene		9236931880	9400204853	9446860340	9568057960	9056865000	9341784007	2
Aroclor-1248-1	(1)	183385441	189253437	200901320	213658596	210346400	199509039	7
Aroclor-1248-2	(2)	249519113	262229969	281655510	299590856	298458120	278290714	8
Aroclor-1248-3	(3)	313646829	324719312	346217716	370103360	392176240	349372691	9
Aroclor-1248-4	(4)	439951399	452724037	479184310	509535492	504078340	477094716	6
Aroclor-1248-5	(5)	310476659	318507132	337630456	365736804	380196620	342509534	9
Decachlorobiphenyl		7703959900	7913043760	8337132500	8816038680	8879579800	8329950928	6
Tetrachloro-m-xylene		9154374770	9319706587	9763537060	9884300480	9250244600	9474432699	3
Aroclor-1254-1	(1)	480630669	491242291	514290722	548494120	543375540	515606668	6
Aroclor-1254-2	(2)	417535343	429223996	451482582	481224324	472406420	450374533	6
Aroclor-1254-3	(3)	684838056	697322969	725628940	760808456	711178620	715955408	4
Aroclor-1254-4	(4)	417970360	409808872	428749386	461366848	376062040	418791501	7
Aroclor-1254-5	(5)	597298518	608943563	631623464	663830224	617819000	623902954	4
Decachlorobiphenyl		7967092830	8125756000	8528343640	8986366600	8782372000	8477986214	5
Tetrachloro-m-xylene		9511051460	9602004080	9843620680	9994457760	8495604200	9489347636	6
Aroclor-1268-1	(1)	1298860853	1294002563	1318124330	1365675636	1344427900	1324218256	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1196326079	1189492827	1207881780	1246550744	1205280700	1209106426	2
Aroclor-1268-3	(3)	1000400149	998939115	1012813102	1049647308	1029090160	1018177967	2
Aroclor-1268-4	(4)	407507962	408969772	420298422	442140308	445377360	424858765	4
Aroclor-1268-5	(5)	3060378797	3013397139	3036609122	3075360324	2912511720	3019651420	2
Decachlorobiphenyl		14147642890	14125651173	14472115980	15180190720	15441285400	14673377233	4
Tetrachloro-m-xylene		9652630020	9799388160	9953085600	10360200640	9708060200	9894672924	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_O **Calibration Date(s):** 02/20/2025 02/21/2025

Calibration Times: 16:46 01:02

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: **CF 1000 =** PO109426.D **CF 750 =** PO109427.D

CF 500 = PO109428.D **CF 250 =** PO109429.D **CF 050 =** PO109430.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	144422659	148428763	152032096	167484860	168484300	156170536	7
Aroclor-1016-2	(2)	205202725	208508729	213432994	229519564	225505040	216433810	5
Aroclor-1016-3	(3)	112302196	115067393	117212622	128579748	124094120	119451216	6
Aroclor-1016-4	(4)	94709981	98717735	101165102	112923876	112836120	104070563	8
Aroclor-1016-5	(5)	124417087	127943616	132644098	146345704	149917060	136253513	8
Aroclor-1260-1	(1)	217936136	223782013	232739904	251644640	258495520	236919643	7
Aroclor-1260-2	(2)	255563339	259366392	268832038	291215424	300878620	275171163	7
Aroclor-1260-3	(3)	239301078	242165468	249897958	270279452	273707020	255070195	6
Aroclor-1260-4	(4)	193987222	196916529	202218624	218214048	219624820	206192249	6
Aroclor-1260-5	(5)	436097628	435546231	443785112	464386884	459099080	447782987	3
Decachlorobiphenyl		2971514290	3027039307	3156019460	3385128400	3381593200	3184258931	6
Tetrachloro-m-xylene		5186272490	5246400280	5221242400	5478386840	5038748400	5234210082	3
Aroclor-1242-1	(1)	120966720	124746516	133128702	141428800	141463920	132346932	7
Aroclor-1242-2	(2)	169605960	173512545	183266616	192017376	189176180	181515735	5
Aroclor-1242-3	(3)	93390359	96634075	102245092	107691940	99411220	99874537	5
Aroclor-1242-4	(4)	96389066	101019272	107789002	115338428	114056640	106918482	8
Aroclor-1242-5	(5)	113196636	117716005	125239314	135801980	136573300	125705447	8
Decachlorobiphenyl		2727823240	2861750760	3019178360	3243379080	3243962600	3019218808	8
Tetrachloro-m-xylene		5001213420	5078322907	5254229320	5289448280	4851665000	5094975785	4
Aroclor-1248-1	(1)	91256927	94139561	100767396	107614600	108857060	100527109	8
Aroclor-1248-2	(2)	130560541	136645137	146421094	157143508	156628300	145479716	8
Aroclor-1248-3	(3)	139283148	144897643	155701690	166430352	168727860	155008139	8
Aroclor-1248-4	(4)	163903044	169411200	180364434	193711724	196594760	180797032	8
Aroclor-1248-5	(5)	154356880	158447996	169575560	183331920	195308840	172204239	10
Decachlorobiphenyl		2790488700	2873613467	3038569420	3241156720	3294897400	3047745141	7
Tetrachloro-m-xylene		4955293160	5040468413	5221131320	5264696400	4750589600	5046435779	4
Aroclor-1254-1	(1)	243640751	248872624	260914738	280861344	273402140	261538319	6
Aroclor-1254-2	(2)	212545511	218679507	230680254	249214456	261687520	234561450	9
Aroclor-1254-3	(3)	339799719	346366689	360950750	378906048	357499640	356704569	4
Aroclor-1254-4	(4)	192329190	189854227	199746634	214807996	168878980	193123405	9
Aroclor-1254-5	(5)	278490681	283928981	296376396	314100456	310764660	296732235	5
Decachlorobiphenyl		2841760820	2921691133	3072525860	3310057280	3280037800	3085214579	7
Tetrachloro-m-xylene		5117525260	5147853200	5214583540	5337931960	4481650800	5059908952	7
Aroclor-1268-1	(1)	554131487	553810328	564174560	591076320	593868340	571412207	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	512614105	511079256	520949472	543420336	536655740	524943782	3
Aroclor-1268-3	(3)	413643589	412567932	420525622	442592008	450889440	428043718	4
Aroclor-1268-4	(4)	153729603	155030577	163078820	169661456	165174880	161335067	4
Aroclor-1268-5	(5)	1087226853	1077982207	1085826158	1121186428	1093500600	1093144449	2
Decachlorobiphenyl		4950835750	4972853373	5123922200	5430816080	5582978400	5212281161	5
Tetrachloro-m-xylene		5266816140	5271127760	5328349480	5507659840	5128975000	5300585644	3

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_O **Date(s) Analyzed:** 02/20/2025 02/21/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	131879000
		2	4.00	3.90	4.10	98701000
		3	4.07	3.97	4.17	269838000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	208928000
		2	4.57	4.47	4.67	116083000
		3	4.81	4.71	4.91	201936000
		4	4.99	4.89	5.09	111220000
		5	5.03	4.93	5.13	81668600
Aroclor-1262	500	1	6.85	6.75	6.95	665842000
		2	7.35	7.25	7.45	1129720000
		3	7.63	7.53	7.73	448264000
		4	7.70	7.60	7.80	829210000
		5	8.19	8.09	8.29	373330000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_O **Date(s) Analyzed:** 02/20/2025 02/21/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.91	3.81	4.01	68502400
		2	3.99	3.89	4.09	51339800
		3	4.07	3.97	4.17	145428000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.07	3.97	4.17	111462000
		2	4.80	4.70	4.90	103317000
		3	4.97	4.87	5.07	56771800
		4	5.06	4.96	5.16	54894600
		5	5.23	5.13	5.33	58805000
Aroclor-1262	500	1	6.81	6.71	6.91	317212000
		2	7.31	7.21	7.41	498620000
		3	7.60	7.50	7.70	196255000
		4	7.66	7.56	7.76	354890000
		5	8.15	8.05	8.25	143138000

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP070419.D RT 750 = PP070420.D

RT 500 = PP070421.D RT 250 = PP070422.D RT 050 = PP070423.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1016-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-3	(3)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1016-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1016-5	(5)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1260-1	(1)	7.27	7.27	7.27	7.27	7.27	7.27	7.17	7.37
Aroclor-1260-2	(2)	7.53	7.52	7.53	7.53	7.53	7.53	7.43	7.63
Aroclor-1260-3	(3)	7.89	7.88	7.88	7.89	7.89	7.88	7.78	7.98
Aroclor-1260-4	(4)	8.11	8.11	8.11	8.11	8.11	8.11	8.01	8.21
Aroclor-1260-5	(5)	8.43	8.43	8.43	8.43	8.43	8.43	8.33	8.53
Decachlorobiphenyl		10.25	10.25	10.25	10.26	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.52	4.52	4.53	4.53	4.53	4.43	4.63
Aroclor-1232-1	(1)	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Aroclor-1232-2	(2)	5.41	5.41	5.41	5.41	5.41	5.41	5.31	5.51
Aroclor-1232-3	(3)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1232-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1232-5	(5)	5.95	5.95	5.95	5.95	5.94	5.95	5.85	6.05
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.26	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Aroclor-1242-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1242-3	(3)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1242-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1242-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.53	4.53	4.52	4.53	4.53	4.43	4.63
Aroclor-1248-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1248-2	(2)	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Aroclor-1248-3	(3)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1248-4	(4)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1248-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Aroclor-1254-1	(1)	6.53	6.53	6.53	6.52	6.53	6.53	6.43	6.63
Aroclor-1254-2	(2)	6.74	6.74	6.75	6.74	6.74	6.74	6.64	6.84
Aroclor-1254-3	(3)	7.11	7.11	7.11	7.10	7.11	7.11	7.01	7.21
Aroclor-1254-4	(4)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Aroclor-1254-5	(5)	7.81	7.81	7.81	7.80	7.81	7.81	7.71	7.91

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.52	4.53	4.52	4.53	4.53	4.43	4.63
Aroclor-1268-1	(1)	8.75	8.74	8.74	8.74	8.75	8.74	8.64	8.84
Aroclor-1268-2	(2)	8.84	8.84	8.83	8.83	8.84	8.84	8.74	8.94
Aroclor-1268-3	(3)	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
Aroclor-1268-4	(4)	9.49	9.49	9.49	9.49	9.49	9.49	9.39	9.59
Aroclor-1268-5	(5)	9.91	9.91	9.90	9.91	9.91	9.91	9.81	10.01
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.53	4.52	4.52	4.53	4.53	4.43	4.63

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP070419.D RT 750 = PP070420.D

RT 500 = PP070421.D RT 250 = PP070422.D RT 050 = PP070423.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-2	(2)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-3	(3)	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Aroclor-1016-4	(4)	5.15	5.15	5.15	5.15	5.15	5.15	5.05	5.25
Aroclor-1016-5	(5)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Aroclor-1260-1	(1)	6.41	6.41	6.41	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-2	(2)	6.59	6.59	6.60	6.59	6.59	6.59	6.49	6.69
Aroclor-1260-3	(3)	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Aroclor-1260-4	(4)	7.22	7.22	7.22	7.22	7.22	7.22	7.12	7.32
Aroclor-1260-5	(5)	7.46	7.46	7.46	7.46	7.46	7.46	7.36	7.56
Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1232-1	(1)	4.20	4.20	4.20	4.20	4.20	4.20	4.10	4.30
Aroclor-1232-2	(2)	4.94	4.94	4.94	4.94	4.93	4.94	4.84	5.04
Aroclor-1232-3	(3)	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Aroclor-1232-4	(4)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1232-5	(5)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1242-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-2	(2)	4.94	4.94	4.94	4.94	4.93	4.94	4.84	5.04
Aroclor-1242-3	(3)	5.11	5.11	5.11	5.11	5.11	5.11	5.01	5.21
Aroclor-1242-4	(4)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1242-5	(5)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1248-1	(1)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1248-2	(2)	5.15	5.15	5.15	5.15	5.15	5.15	5.05	5.25
Aroclor-1248-3	(3)	5.20	5.20	5.20	5.20	5.20	5.20	5.10	5.30
Aroclor-1248-4	(4)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Aroclor-1248-5	(5)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1254-1	(1)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1254-2	(2)	5.87	5.87	5.87	5.87	5.87	5.87	5.77	5.97
Aroclor-1254-3	(3)	6.28	6.28	6.27	6.27	6.28	6.28	6.18	6.38
Aroclor-1254-4	(4)	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Aroclor-1254-5	(5)	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1268-1	(1)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1268-2	(2)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-3	(3)	8.02	8.02	8.02	8.01	8.01	8.02	7.92	8.12
Aroclor-1268-4	(4)	8.31	8.31	8.31	8.31	8.31	8.31	8.21	8.41
Aroclor-1268-5	(5)	8.61	8.61	8.61	8.61	8.61	8.61	8.51	8.71
Decachlorobiphenyl		8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene		3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 1000 =** PP070419.D **CF 750 =** PP070420.D

CF 500 = PP070421.D **CF 250 =** PP070422.D **CF 050 =** PP070423.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	46284919	48624555	51195480	56320148	56830900	51851200	9
Aroclor-1016-2	(2)	68727144	72260815	75092688	79473188	62170340	71544835	9
Aroclor-1016-3	(3)	41881157	43836071	46346194	49629608	45996640	45537934	6
Aroclor-1016-4	(4)	34693414	37117197	39579046	42287028	41512180	39037773	8
Aroclor-1016-5	(5)	32535779	33720589	35503344	36571056	34779300	34622014	5
Aroclor-1260-1	(1)	55067637	58265401	60660348	63250936	56446720	58738208	6
Aroclor-1260-2	(2)	75483004	79277409	82983970	87347188	85123440	82043002	6
Aroclor-1260-3	(3)	62678610	64989695	68010270	70682128	62427680	65757677	5
Aroclor-1260-4	(4)	60990738	64683661	66152948	69503548	65382940	65342767	5
Aroclor-1260-5	(5)	130557968	135103443	140419232	146528904	130778620	136677633	5
Decachlorobiphenyl		1005446690	1044219213	1084386360	1134008440	1043654800	1062343101	5
Tetrachloro-m-xylene		1462968010	1529300040	1575427920	1661278640	1547936200	1555382162	5
Aroclor-1232-1	(1)	31812517	33409335	34815870	38072588	39676960	35557454	9
Aroclor-1232-2	(2)	16331114	17367928	17709532	17293972	15638140	16868137	5
Aroclor-1232-3	(3)	33685372	35206453	37651060	39178940	37126640	36569693	6
Aroclor-1232-4	(4)	17112653	18207945	18881288	20579940	20189680	18994301	8
Aroclor-1232-5	(5)	12358074	13019340	13596998	11696560	14140280	12962250	7
Decachlorobiphenyl		1007346640	1061633867	1110112680	1150608440	1055455400	1077031405	5
Tetrachloro-m-xylene		1503870440	1587673493	1628432540	1684437880	1564380200	1593758911	4
Aroclor-1242-1	(1)	39253435	41704367	43482132	47856472	49946320	44448545	10
Aroclor-1242-2	(2)	58252556	60113944	62228844	66050560	60258320	61380845	5
Aroclor-1242-3	(3)	35362447	36380501	38652894	41645404	33464760	37101201	9
Aroclor-1242-4	(4)	29479509	30833784	32552722	35082164	32717220	32133080	7
Aroclor-1242-5	(5)	29991669	31404576	32011208	32699504	29130640	31047519	5
Decachlorobiphenyl		1017143570	1063398627	1098678020	1146617040	1019213600	1069010171	5
Tetrachloro-m-xylene		1483500490	1538532373	1587702840	1655080400	1578490200	1568661261	4
Aroclor-1248-1	(1)	30241509	31836707	34371560	37879708	36450300	34155957	9
Aroclor-1248-2	(2)	39839483	41732589	44072986	47187728	39403540	42447265	8
Aroclor-1248-3	(3)	43671743	45535401	47272778	48829472	45433820	46148643	4
Aroclor-1248-4	(4)	52673121	54800967	57547552	61348180	63586480	57991260	8
Aroclor-1248-5	(5)	49495855	52225937	54279376	57435820	54999800	53687358	6
Decachlorobiphenyl		1018745530	1065079280	1110066380	1164168240	1044426200	1080497126	5
Tetrachloro-m-xylene		1464367110	1509550200	1593080400	1654989520	1637278400	1571853126	5
Aroclor-1254-1	(1)	52191144	54776691	58408862	62528540	58393680	57259783	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	76163232	79292283	83746208	89006644	77052340	81052141	7
Aroclor-1254-3	(3)	78867294	81324341	86343146	90140028	84184220	84171806	5
Aroclor-1254-4	(4)	65665428	68036704	71633390	75767876	69582520	70137184	5
Aroclor-1254-5	(5)	65604720	67856063	71049052	74607116	70169360	69857262	5
Decachlorobiphenyl		1051774640	1084735960	1131757040	1190025520	1071423800	1105943392	5
Tetrachloro-m-xylene		1491401080	1547951320	1596952960	1679816880	1638007800	1590826008	5
Aroclor-1268-1	(1)	188529701	191493623	201496426	211079324	198399040	198199623	4
Aroclor-1268-2	(2)	162712211	165423828	173208520	180425992	166812140	169716538	4
Aroclor-1268-3	(3)	139964894	142620983	149835492	155687892	143563980	146334648	4
Aroclor-1268-4	(4)	62601215	63262983	66177076	67604984	59759620	63881176	5
Aroclor-1268-5	(5)	401160937	407647449	423231624	443337256	421401480	419355749	4
Decachlorobiphenyl		1797305300	1841882720	1928545440	2018232880	1865263000	1890245868	5
Tetrachloro-m-xylene		1559644910	1556664040	1644040220	1708675120	1710882200	1635981298	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 1000 =** PP070419.D **CF 750 =** PP070420.D

CF 500 = PP070421.D **CF 250 =** PP070422.D **CF 050 =** PP070423.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	31619052	35012463	36116294	39457560	37557300	35952534	8
Aroclor-1016-2	(2)	44662617	48866077	51001758	55603496	59699380	51966666	11
Aroclor-1016-3	(3)	24906943	27191785	28703256	30683884	30781120	28453398	9
Aroclor-1016-4	(4)	19770953	21670935	22902960	24389748	23214920	22389903	8
Aroclor-1016-5	(5)	25646269	27397575	29268330	32409960	33872260	29718879	11
Aroclor-1260-1	(1)	45267436	47641613	50061678	53643092	52308080	49784380	7
Aroclor-1260-2	(2)	60652513	64073769	66616364	70066968	69027800	66087483	6
Aroclor-1260-3	(3)	52248928	55432315	57823148	61011000	59471320	57197342	6
Aroclor-1260-4	(4)	47067710	49841909	53961982	55559372	49386640	51163523	7
Aroclor-1260-5	(5)	123950775	130046140	135804906	136761852	117362580	128785251	6
Decachlorobiphenyl		935400030	944501173	996009380	1027099200	988797000	978361357	4
Tetrachloro-m-xylene		901898260	976425347	1019517980	1052535320	1061027800	1002280941	7
Aroclor-1232-1	(1)	23977464	25043855	25876362	28218616	28432280	26309715	7
Aroclor-1232-2	(2)	23409194	24148587	25178540	27689696	28634420	25812087	9
Aroclor-1232-3	(3)	12864968	13117912	13753150	14320588	15988100	14008944	9
Aroclor-1232-4	(4)	10909254	11094221	11677434	12331552	12548800	11712252	6
Aroclor-1232-5	(5)	12122932	12663212	13051746	13538632	13963480	13068000	6
Decachlorobiphenyl		923591970	934486067	965069440	1131453800	1083832600	1007686775	9
Tetrachloro-m-xylene		981294310	1023698747	1027014040	1102661240	1188146200	1064562907	8
Aroclor-1242-1	(1)	28374294	28991207	30174104	32528448	32989020	30611415	7
Aroclor-1242-2	(2)	40120133	40663773	41940388	45612680	49650880	43597571	9
Aroclor-1242-3	(3)	22172127	22503904	23797688	25561184	25126720	23832325	6
Aroclor-1242-4	(4)	20777408	21261321	22368954	23941300	21863540	22042505	6
Aroclor-1242-5	(5)	26011255	26949576	28142034	29660872	28841860	27921119	5
Decachlorobiphenyl		890780220	996610280	1018649180	1070124720	1151487200	1025530320	9
Tetrachloro-m-xylene		949681240	969479187	1000171980	1041407720	1043402000	1000828425	4
Aroclor-1248-1	(1)	21916865	22139940	24138102	25281632	23901120	23475532	6
Aroclor-1248-2	(2)	28154371	29147072	31604814	33306732	34304240	31303446	8
Aroclor-1248-3	(3)	29522180	30421332	32954472	34362676	31347200	31721572	6
Aroclor-1248-4	(4)	34974296	35760019	38441344	40862964	44827240	38973173	10
Aroclor-1248-5	(5)	34216861	35543065	38522800	40509348	41641320	38086679	8
Decachlorobiphenyl		933290630	982033680	1000188180	1068098600	1015594400	999841098	5
Tetrachloro-m-xylene		948607640	978544213	1031768560	1070844800	1068084800	1019570003	5
Aroclor-1254-1	(1)	49741488	53083060	56518628	60344088	61926700	56322793	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	43195538	45981229	48525194	52438220	54392240	48906484	9
Aroclor-1254-3	(3)	69004581	72181184	75732026	81417896	78754240	75417985	7
Aroclor-1254-4	(4)	48529875	50966111	53417608	57048936	53797000	52751906	6
Aroclor-1254-5	(5)	63254548	65263447	68912458	73214624	74627960	69054607	7
Decachlorobiphenyl		966187920	982212947	1086993960	1153126680	1151501200	1068004541	8
Tetrachloro-m-xylene		967205180	984098413	1019987640	1086171680	989309800	1009354543	5
Aroclor-1268-1	(1)	168373725	166057156	179047242	187011272	174871700	175072219	5
Aroclor-1268-2	(2)	142006892	140092196	149842434	153490708	144862740	146058994	4
Aroclor-1268-3	(3)	125351560	120465205	129564250	133099628	133160800	128328289	4
Aroclor-1268-4	(4)	54287293	53233979	56809814	58479952	52090820	54980372	5
Aroclor-1268-5	(5)	364151928	362236821	378313444	380892964	354578080	368034647	3
Decachlorobiphenyl		1632116030	1658280453	1742317540	1836812000	1806314000	1735168005	5
Tetrachloro-m-xylene		1019432100	1034489600	1102868440	1184868600	1114308600	1091193468	6

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_P **Date(s) Analyzed:** 03/11/2025 03/11/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.73	4.63	4.83	19940100
		2	4.81	4.71	4.91	14608700
		3	4.89	4.79	4.99	44364600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.11	8.01	8.21	81718600
		2	8.43	8.33	8.53	164714000
		3	8.75	8.65	8.85	112164000
		4	8.83	8.73	8.93	83803800
		5	9.49	9.39	9.59	58896200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Instrument ID: ECD_P **Date(s) Analyzed:** 03/11/2025 03/11/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.04	3.94	4.14	14882500
		2	4.13	4.03	4.23	11429100
		3	4.20	4.10	4.30	33421800
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.96	6.86	7.06	83664000
		2	7.22	7.12	7.32	68729800
		3	7.74	7.64	7.84	65986200
		4	7.81	7.71	7.91	104435000
		5	8.31	8.21	8.41	51550000

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 09:13 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.86	4.87	4.77	4.97	0.01
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.69	3.70	3.60	3.80	0.01
Decachlorobiphenyl		8.75	8.76	8.66	8.86	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 09:13 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-2	(2)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.25	6.26	6.16	6.36	0.01
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.01
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.70	8.71	8.61	8.81	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109923.D **Time Analyzed:** 09:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.787	4.691	4.891	520.420	500.000	4.1
Aroclor-1016-2	4.806	4.711	4.911	532.150	500.000	6.4
Aroclor-1016-3	4.862	4.767	4.967	529.790	500.000	6.0
Aroclor-1016-4	4.983	4.888	5.088	529.650	500.000	5.9
Aroclor-1016-5	5.241	5.145	5.345	513.580	500.000	2.7
Aroclor-1260-1	6.281	6.188	6.388	491.640	500.000	-1.7
Aroclor-1260-2	6.470	6.377	6.577	488.670	500.000	-2.3
Aroclor-1260-3	6.838	6.746	6.946	474.600	500.000	-5.1
Aroclor-1260-4	7.098	7.005	7.205	472.840	500.000	-5.4
Aroclor-1260-5	7.340	7.247	7.447	469.530	500.000	-6.1
Decachlorobiphenyl	8.745	8.657	8.857	40.020	50.000	-20.0
Tetrachloro-m-xylene	3.694	3.598	3.798	52.550	50.000	5.1

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL01 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109923.D **Time Analyzed:** 09:13

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.772	4.678	4.878	539.290	500.000	7.9
Aroclor-1016-2	4.792	4.697	4.897	554.740	500.000	10.9
Aroclor-1016-3	4.967	4.872	5.072	548.600	500.000	9.7
Aroclor-1016-4	5.009	4.914	5.114	529.410	500.000	5.9
Aroclor-1016-5	5.222	5.127	5.327	523.530	500.000	4.7
Aroclor-1260-1	6.254	6.161	6.361	502.590	500.000	0.5
Aroclor-1260-2	6.442	6.348	6.548	501.730	500.000	0.3
Aroclor-1260-3	6.595	6.502	6.702	496.860	500.000	-0.6
Aroclor-1260-4	7.066	6.974	7.174	484.000	500.000	-3.2
Aroclor-1260-5	7.307	7.214	7.414	488.740	500.000	-2.3
Decachlorobiphenyl	8.696	8.607	8.807	39.180	50.000	-21.6
Tetrachloro-m-xylene	3.691	3.594	3.794	52.290	50.000	4.6

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 16:28 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.79	4.69	4.89	0.00
Aroclor-1016-2	(2)	4.81	4.81	4.71	4.91	0.00
Aroclor-1016-3	(3)	4.86	4.87	4.77	4.97	0.01
Aroclor-1016-4	(4)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.28	6.29	6.19	6.39	0.01
Aroclor-1260-2	(2)	6.47	6.48	6.38	6.58	0.01
Aroclor-1260-3	(3)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-4	(4)	7.10	7.11	7.01	7.21	0.01
Aroclor-1260-5	(5)	7.34	7.35	7.25	7.45	0.01
Tetrachloro-m-xylene		3.69	3.70	3.60	3.80	0.01
Decachlorobiphenyl		8.75	8.76	8.66	8.86	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Continuing Calib Date: 03/17/2025 **Initial Calibration Date(s):** 02/20/2025 02/21/2025

Continuing Calib Time: 16:28 **Initial Calibration Time(s):** 16:46 01:02

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-2	(2)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-3	(3)	4.97	4.97	4.87	5.07	0.00
Aroclor-1016-4	(4)	5.01	5.01	4.91	5.11	0.00
Aroclor-1016-5	(5)	5.22	5.23	5.13	5.33	0.01
Aroclor-1260-1	(1)	6.26	6.26	6.16	6.36	0.00
Aroclor-1260-2	(2)	6.44	6.45	6.35	6.55	0.01
Aroclor-1260-3	(3)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-4	(4)	7.07	7.07	6.97	7.17	0.00
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.70	8.71	8.61	8.81	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109935.D **Time Analyzed:** 16:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.787	4.691	4.891	495.420	500.000	-0.9
Aroclor-1016-2	4.806	4.711	4.911	497.010	500.000	-0.6
Aroclor-1016-3	4.862	4.767	4.967	497.830	500.000	-0.4
Aroclor-1016-4	4.983	4.888	5.088	499.000	500.000	-0.2
Aroclor-1016-5	5.240	5.145	5.345	500.320	500.000	0.1
Aroclor-1260-1	6.282	6.188	6.388	468.480	500.000	-6.3
Aroclor-1260-2	6.470	6.377	6.577	466.430	500.000	-6.7
Aroclor-1260-3	6.839	6.746	6.946	449.630	500.000	-10.1
Aroclor-1260-4	7.099	7.005	7.205	446.990	500.000	-10.6
Aroclor-1260-5	7.340	7.247	7.447	446.440	500.000	-10.7
Decachlorobiphenyl	8.747	8.657	8.857	53.600	50.000	7.2
Tetrachloro-m-xylene	3.694	3.598	3.798	47.390	50.000	-5.2

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 02/20/2025 02/20/2025

Client Sample No.: CCAL02 **Date Analyzed:** 03/17/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO109935.D **Time Analyzed:** 16:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.773	4.678	4.878	506.990	500.000	1.4
Aroclor-1016-2	4.792	4.697	4.897	518.690	500.000	3.7
Aroclor-1016-3	4.968	4.872	5.072	517.250	500.000	3.5
Aroclor-1016-4	5.010	4.914	5.114	489.360	500.000	-2.1
Aroclor-1016-5	5.223	5.127	5.327	513.620	500.000	2.7
Aroclor-1260-1	6.255	6.161	6.361	474.040	500.000	-5.2
Aroclor-1260-2	6.442	6.348	6.548	476.300	500.000	-4.7
Aroclor-1260-3	6.596	6.502	6.702	469.320	500.000	-6.1
Aroclor-1260-4	7.067	6.974	7.174	450.460	500.000	-9.9
Aroclor-1260-5	7.308	7.214	7.414	446.130	500.000	-10.8
Decachlorobiphenyl	8.697	8.607	8.807	49.430	50.000	-1.1
Tetrachloro-m-xylene	3.692	3.594	3.794	48.820	50.000	-2.4

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Continuing Calib Date: 03/14/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 21:15 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.53	4.52	4.42	4.62	-0.01
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Continuing Calib Date: 03/14/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 21:15 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-5	(5)	7.46	7.46	7.36	7.56	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070543.D **Time Analyzed:** 21:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.676	5.577	5.777	443.660	500.000	-11.3
Aroclor-1016-2	5.698	5.599	5.799	480.930	500.000	-3.8
Aroclor-1016-3	5.760	5.661	5.861	466.910	500.000	-6.6
Aroclor-1016-4	5.858	5.758	5.958	456.460	500.000	-8.7
Aroclor-1016-5	6.150	6.051	6.251	453.110	500.000	-9.4
Aroclor-1260-1	7.269	7.171	7.371	470.290	500.000	-5.9
Aroclor-1260-2	7.523	7.425	7.625	461.520	500.000	-7.7
Aroclor-1260-3	7.881	7.783	7.983	466.760	500.000	-6.6
Aroclor-1260-4	8.105	8.008	8.208	454.640	500.000	-9.1
Aroclor-1260-5	8.425	8.328	8.528	467.430	500.000	-6.5
Decachlorobiphenyl	10.243	10.152	10.352	46.560	50.000	-6.9
Tetrachloro-m-xylene	4.525	4.424	4.624	46.830	50.000	-6.3

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 03/14/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070543.D **Time Analyzed:** 21:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.912	4.817	5.017	467.760	500.000	-6.4
Aroclor-1016-2	4.932	4.836	5.036	453.880	500.000	-9.2
Aroclor-1016-3	5.108	5.013	5.213	459.150	500.000	-8.2
Aroclor-1016-4	5.150	5.054	5.254	462.340	500.000	-7.5
Aroclor-1016-5	5.365	5.270	5.470	472.460	500.000	-5.5
Aroclor-1260-1	6.401	6.307	6.507	458.750	500.000	-8.3
Aroclor-1260-2	6.589	6.495	6.695	458.120	500.000	-8.4
Aroclor-1260-3	6.743	6.649	6.849	450.000	500.000	-10.0
Aroclor-1260-4	7.215	7.121	7.321	441.280	500.000	-11.7
Aroclor-1260-5	7.456	7.362	7.562	440.290	500.000	-11.9
Decachlorobiphenyl	8.871	8.781	8.981	41.930	50.000	-16.1
Tetrachloro-m-xylene	3.826	3.729	3.929	48.070	50.000	-3.9

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Continuing Calib Date: 03/15/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 01:51 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Continuing Calib Date: 03/15/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 01:51 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070558.D **Time Analyzed:** 01:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.675	5.577	5.777	457.150	500.000	-8.6
Aroclor-1016-2	5.697	5.599	5.799	495.200	500.000	-1.0
Aroclor-1016-3	5.759	5.661	5.861	478.090	500.000	-4.4
Aroclor-1016-4	5.856	5.758	5.958	468.080	500.000	-6.4
Aroclor-1016-5	6.149	6.051	6.251	469.590	500.000	-6.1
Aroclor-1260-1	7.267	7.171	7.371	498.380	500.000	-0.3
Aroclor-1260-2	7.520	7.425	7.625	477.820	500.000	-4.4
Aroclor-1260-3	7.879	7.783	7.983	476.270	500.000	-4.7
Aroclor-1260-4	8.103	8.008	8.208	464.610	500.000	-7.1
Aroclor-1260-5	8.423	8.328	8.528	479.710	500.000	-4.1
Decachlorobiphenyl	10.241	10.152	10.352	47.630	50.000	-4.7
Tetrachloro-m-xylene	4.524	4.424	4.624	48.060	50.000	-3.9

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL04 **Date Analyzed:** 03/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070558.D **Time Analyzed:** 01:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.912	4.817	5.017	500.790	500.000	0.2
Aroclor-1016-2	4.930	4.836	5.036	484.340	500.000	-3.1
Aroclor-1016-3	5.108	5.013	5.213	493.000	500.000	-1.4
Aroclor-1016-4	5.149	5.054	5.254	494.170	500.000	-1.2
Aroclor-1016-5	5.364	5.270	5.470	521.050	500.000	4.2
Aroclor-1260-1	6.400	6.307	6.507	477.160	500.000	-4.6
Aroclor-1260-2	6.588	6.495	6.695	473.000	500.000	-5.4
Aroclor-1260-3	6.742	6.649	6.849	465.110	500.000	-7.0
Aroclor-1260-4	7.213	7.121	7.321	453.670	500.000	-9.3
Aroclor-1260-5	7.454	7.362	7.562	455.190	500.000	-9.0
Decachlorobiphenyl	8.871	8.781	8.981	46.060	50.000	-7.9
Tetrachloro-m-xylene	3.826	3.729	3.929	48.770	50.000	-2.5

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Continuing Calib Date: 03/15/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 05:06 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

Continuing Calib Date: 03/15/2025 **Initial Calibration Date(s):** 03/11/2025 03/11/2025

Continuing Calib Time: 05:06 **Initial Calibration Time(s):** 15:13 23:38

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070568.D **Time Analyzed:** 05:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.673	5.577	5.777	464.850	500.000	-7.0
Aroclor-1016-2	5.695	5.599	5.799	501.140	500.000	0.2
Aroclor-1016-3	5.757	5.661	5.861	487.390	500.000	-2.5
Aroclor-1016-4	5.855	5.758	5.958	483.220	500.000	-3.4
Aroclor-1016-5	6.147	6.051	6.251	479.270	500.000	-4.1
Aroclor-1260-1	7.266	7.171	7.371	508.310	500.000	1.7
Aroclor-1260-2	7.519	7.425	7.625	490.450	500.000	-1.9
Aroclor-1260-3	7.878	7.783	7.983	488.320	500.000	-2.3
Aroclor-1260-4	8.102	8.008	8.208	471.720	500.000	-5.7
Aroclor-1260-5	8.422	8.328	8.528	487.240	500.000	-2.6
Decachlorobiphenyl	10.239	10.152	10.352	48.570	50.000	-2.9
Tetrachloro-m-xylene	4.522	4.424	4.624	48.550	50.000	-2.9

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CALIBRATION VERIFICATION SUMMARY

Contract: GENV01

Lab Code: CHEM **Case No.:** Q1574 **SAS No.:** Q1574 **SDG NO.:** Q1574

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 03/11/2025 03/11/2025

Client Sample No.: CCAL05 **Date Analyzed:** 03/15/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP070568.D **Time Analyzed:** 05:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.912	4.817	5.017	511.620	500.000	2.3
Aroclor-1016-2	4.930	4.836	5.036	488.190	500.000	-2.4
Aroclor-1016-3	5.107	5.013	5.213	502.650	500.000	0.5
Aroclor-1016-4	5.149	5.054	5.254	495.770	500.000	-0.8
Aroclor-1016-5	5.364	5.270	5.470	540.650	500.000	8.1
Aroclor-1260-1	6.400	6.307	6.507	493.180	500.000	-1.4
Aroclor-1260-2	6.587	6.495	6.695	483.690	500.000	-3.3
Aroclor-1260-3	6.741	6.649	6.849	471.010	500.000	-5.8
Aroclor-1260-4	7.213	7.121	7.321	458.170	500.000	-8.4
Aroclor-1260-5	7.454	7.362	7.562	453.230	500.000	-9.4
Decachlorobiphenyl	8.869	8.781	8.981	46.240	50.000	-7.5
Tetrachloro-m-xylene	3.826	3.729	3.929	49.820	50.000	-0.4

Alliance TECHNICAL GROUP
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Analytical Sequence

Client: G Environmental **SDG No.:** Q1574

Project: Ave L **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/20/2025 02/20/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	02/20/2025	16:28	PO109425.D	8.76	3.70
AR1660ICC1000	AR1660ICC1000	02/20/2025	16:46	PO109426.D	8.76	3.70
AR1660ICC750	AR1660ICC750	02/20/2025	17:04	PO109427.D	8.76	3.70
AR1660ICC500	AR1660ICC500	02/20/2025	17:23	PO109428.D	8.76	3.70
AR1660ICC250	AR1660ICC250	02/20/2025	17:41	PO109429.D	8.76	3.70
AR1660ICC050	AR1660ICC050	02/20/2025	17:59	PO109430.D	8.76	3.70
AR1221ICC500	AR1221ICC500	02/20/2025	18:18	PO109431.D	8.76	3.70
AR1232ICC500	AR1232ICC500	02/20/2025	18:36	PO109432.D	8.76	3.70
AR1242ICC1000	AR1242ICC1000	02/20/2025	18:55	PO109433.D	8.76	3.70
AR1242ICC750	AR1242ICC750	02/20/2025	19:13	PO109434.D	8.76	3.70
AR1242ICC500	AR1242ICC500	02/20/2025	19:31	PO109435.D	8.76	3.70
AR1242ICC250	AR1242ICC250	02/20/2025	19:50	PO109436.D	8.76	3.70
AR1242ICC050	AR1242ICC050	02/20/2025	20:08	PO109437.D	8.76	3.70
AR1248ICC1000	AR1248ICC1000	02/20/2025	20:26	PO109438.D	8.76	3.70
AR1248ICC750	AR1248ICC750	02/20/2025	20:45	PO109439.D	8.76	3.70
AR1248ICC500	AR1248ICC500	02/20/2025	21:03	PO109440.D	8.76	3.70
AR1248ICC250	AR1248ICC250	02/20/2025	21:21	PO109441.D	8.76	3.70
AR1248ICC050	AR1248ICC050	02/20/2025	21:40	PO109442.D	8.75	3.70
AR1254ICC1000	AR1254ICC1000	02/20/2025	21:58	PO109443.D	8.75	3.70
AR1254ICC750	AR1254ICC750	02/20/2025	22:17	PO109444.D	8.76	3.70
AR1254ICC500	AR1254ICC500	02/20/2025	22:35	PO109445.D	8.76	3.70
AR1254ICC250	AR1254ICC250	02/20/2025	22:53	PO109446.D	8.76	3.70
AR1254ICC050	AR1254ICC050	02/20/2025	23:12	PO109447.D	8.76	3.70
AR1262ICC500	AR1262ICC500	02/20/2025	23:30	PO109448.D	8.75	3.70
AR1268ICC1000	AR1268ICC1000	02/20/2025	23:48	PO109449.D	8.76	3.70
AR1268ICC750	AR1268ICC750	02/21/2025	00:07	PO109450.D	8.76	3.70
AR1268ICC500	AR1268ICC500	02/21/2025	00:25	PO109451.D	8.75	3.70
AR1268ICC250	AR1268ICC250	02/21/2025	00:43	PO109452.D	8.76	3.70
AR1268ICC050	AR1268ICC050	02/21/2025	01:02	PO109453.D	8.75	3.70
AR1660CCC500	AR1660CCC500	03/17/2025	09:13	PO109923.D	8.75	3.69
I.BLK	I.BLK	03/17/2025	10:26	PO109927.D	8.75	3.69
WC1	Q1574-01	03/17/2025	11:02	PO109929.D	8.75	3.69
WC1DL	Q1574-01DL	03/17/2025	11:20	PO109930.D	8.74	3.69
AR1660CCC500	AR1660CCC500	03/17/2025	16:28	PO109935.D	8.75	3.69
I.BLK	I.BLK	03/17/2025	17:42	PO109939.D	8.75	3.69
I.BLK	I.BLK	03/11/2025	14:57	PP070418.D	10.25	4.53
AR1660ICC1000	AR1660ICC1000	03/11/2025	15:13	PP070419.D	10.25	4.53
AR1660ICC750	AR1660ICC750	03/11/2025	15:29	PP070420.D	10.25	4.52
AR1660ICC500	AR1660ICC500	03/11/2025	15:46	PP070421.D	10.25	4.52
AR1660ICC250	AR1660ICC250	03/11/2025	16:02	PP070422.D	10.26	4.53
AR1660ICC050	AR1660ICC050	03/11/2025	16:18	PP070423.D	10.25	4.53
AR1221ICC500	AR1221ICC500	03/11/2025	16:34	PP070424.D	10.25	4.53

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Analytical Sequence

AR1232ICC1000	AR1232ICC1000	03/11/2025	16:51	PP070425.D	10.25	4.53
AR1232ICC750	AR1232ICC750	03/11/2025	17:07	PP070426.D	10.25	4.53
AR1232ICC500	AR1232ICC500	03/11/2025	17:23	PP070427.D	10.25	4.53
AR1232ICC250	AR1232ICC250	03/11/2025	17:40	PP070428.D	10.25	4.53
AR1232ICC050	AR1232ICC050	03/11/2025	17:56	PP070429.D	10.26	4.53
AR1242ICC1000	AR1242ICC1000	03/11/2025	18:12	PP070430.D	10.25	4.53
AR1242ICC750	AR1242ICC750	03/11/2025	18:28	PP070431.D	10.25	4.53
AR1242ICC500	AR1242ICC500	03/11/2025	18:45	PP070432.D	10.25	4.53
AR1242ICC250	AR1242ICC250	03/11/2025	19:01	PP070433.D	10.25	4.52
AR1242ICC050	AR1242ICC050	03/11/2025	19:17	PP070434.D	10.25	4.53
AR1248ICC1000	AR1248ICC1000	03/11/2025	19:34	PP070435.D	10.25	4.53
AR1248ICC750	AR1248ICC750	03/11/2025	19:50	PP070436.D	10.25	4.52
AR1248ICC500	AR1248ICC500	03/11/2025	20:06	PP070437.D	10.25	4.52
AR1248ICC250	AR1248ICC250	03/11/2025	20:22	PP070438.D	10.25	4.52
AR1248ICC050	AR1248ICC050	03/11/2025	20:39	PP070439.D	10.25	4.52
AR1254ICC1000	AR1254ICC1000	03/11/2025	20:55	PP070440.D	10.25	4.53
AR1254ICC750	AR1254ICC750	03/11/2025	21:11	PP070441.D	10.25	4.52
AR1254ICC500	AR1254ICC500	03/11/2025	21:28	PP070442.D	10.25	4.53
AR1254ICC250	AR1254ICC250	03/11/2025	21:44	PP070443.D	10.25	4.52
AR1254ICC050	AR1254ICC050	03/11/2025	22:00	PP070444.D	10.25	4.53
AR1262ICC500	AR1262ICC500	03/11/2025	22:16	PP070445.D	10.25	4.52
AR1268ICC1000	AR1268ICC1000	03/11/2025	22:33	PP070446.D	10.25	4.53
AR1268ICC750	AR1268ICC750	03/11/2025	22:49	PP070447.D	10.25	4.53
AR1268ICC500	AR1268ICC500	03/11/2025	23:05	PP070448.D	10.25	4.52
AR1268ICC250	AR1268ICC250	03/11/2025	23:22	PP070449.D	10.25	4.52
AR1268ICC050	AR1268ICC050	03/11/2025	23:38	PP070450.D	10.25	4.53
AR1660CCC500	AR1660CCC500	03/14/2025	21:15	PP070543.D	10.24	4.53
I.BLK	I.BLK	03/14/2025	22:20	PP070547.D	10.24	4.52
PB167143BL	PB167143BL	03/14/2025	22:36	PP070548.D	10.24	4.52
PB167143BS	PB167143BS	03/14/2025	22:52	PP070549.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/15/2025	01:51	PP070558.D	10.24	4.52
I.BLK	I.BLK	03/15/2025	02:56	PP070562.D	10.24	4.52
C0O18MS	Q1572-06MS	03/15/2025	03:29	PP070564.D	10.24	4.52
C0O18MSD	Q1572-06MSD	03/15/2025	03:45	PP070565.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/15/2025	05:06	PP070568.D	10.24	4.52
I.BLK	I.BLK	03/15/2025	06:11	PP070572.D	10.24	4.52

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Analytical Sequence

Client: G Environmental **SDG No.:** Q1574

Project: Ave L **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 02/20/2025 02/20/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	02/20/2025	16:28	PO109425.D	8.71	3.69
AR1660ICC1000	AR1660ICC1000	02/20/2025	16:46	PO109426.D	8.71	3.69
AR1660ICC750	AR1660ICC750	02/20/2025	17:04	PO109427.D	8.71	3.69
AR1660ICC500	AR1660ICC500	02/20/2025	17:23	PO109428.D	8.71	3.69
AR1660ICC250	AR1660ICC250	02/20/2025	17:41	PO109429.D	8.71	3.69
AR1660ICC050	AR1660ICC050	02/20/2025	17:59	PO109430.D	8.71	3.69
AR1221ICC500	AR1221ICC500	02/20/2025	18:18	PO109431.D	8.71	3.69
AR1232ICC500	AR1232ICC500	02/20/2025	18:36	PO109432.D	8.71	3.69
AR1242ICC1000	AR1242ICC1000	02/20/2025	18:55	PO109433.D	8.71	3.69
AR1242ICC750	AR1242ICC750	02/20/2025	19:13	PO109434.D	8.71	3.69
AR1242ICC500	AR1242ICC500	02/20/2025	19:31	PO109435.D	8.71	3.69
AR1242ICC250	AR1242ICC250	02/20/2025	19:50	PO109436.D	8.71	3.69
AR1242ICC050	AR1242ICC050	02/20/2025	20:08	PO109437.D	8.71	3.69
AR1248ICC1000	AR1248ICC1000	02/20/2025	20:26	PO109438.D	8.71	3.69
AR1248ICC750	AR1248ICC750	02/20/2025	20:45	PO109439.D	8.71	3.69
AR1248ICC500	AR1248ICC500	02/20/2025	21:03	PO109440.D	8.71	3.69
AR1248ICC250	AR1248ICC250	02/20/2025	21:21	PO109441.D	8.71	3.69
AR1248ICC050	AR1248ICC050	02/20/2025	21:40	PO109442.D	8.71	3.69
AR1254ICC1000	AR1254ICC1000	02/20/2025	21:58	PO109443.D	8.71	3.69
AR1254ICC750	AR1254ICC750	02/20/2025	22:17	PO109444.D	8.71	3.69
AR1254ICC500	AR1254ICC500	02/20/2025	22:35	PO109445.D	8.71	3.69
AR1254ICC250	AR1254ICC250	02/20/2025	22:53	PO109446.D	8.71	3.69
AR1254ICC050	AR1254ICC050	02/20/2025	23:12	PO109447.D	8.71	3.69
AR1262ICC500	AR1262ICC500	02/20/2025	23:30	PO109448.D	8.71	3.69
AR1268ICC1000	AR1268ICC1000	02/20/2025	23:48	PO109449.D	8.71	3.69
AR1268ICC750	AR1268ICC750	02/21/2025	00:07	PO109450.D	8.71	3.69
AR1268ICC500	AR1268ICC500	02/21/2025	00:25	PO109451.D	8.71	3.69
AR1268ICC250	AR1268ICC250	02/21/2025	00:43	PO109452.D	8.71	3.69
AR1268ICC050	AR1268ICC050	02/21/2025	01:02	PO109453.D	8.70	3.69
AR1660CCC500	AR1660CCC500	03/17/2025	09:13	PO109923.D	8.70	3.69
I.BLK	I.BLK	03/17/2025	10:26	PO109927.D	8.70	3.69
WC1	Q1574-01	03/17/2025	11:02	PO109929.D	8.70	3.69
WC1DL	Q1574-01DL	03/17/2025	11:20	PO109930.D	8.69	3.69
AR1660CCC500	AR1660CCC500	03/17/2025	16:28	PO109935.D	8.70	3.69
I.BLK	I.BLK	03/17/2025	17:42	PO109939.D	8.70	3.69
I.BLK	I.BLK	03/11/2025	14:57	PP070418.D	8.88	3.83
AR1660ICC1000	AR1660ICC1000	03/11/2025	15:13	PP070419.D	8.88	3.83
AR1660ICC750	AR1660ICC750	03/11/2025	15:29	PP070420.D	8.88	3.83
AR1660ICC500	AR1660ICC500	03/11/2025	15:46	PP070421.D	8.88	3.83
AR1660ICC250	AR1660ICC250	03/11/2025	16:02	PP070422.D	8.88	3.83
AR1660ICC050	AR1660ICC050	03/11/2025	16:18	PP070423.D	8.88	3.83
AR1221ICC500	AR1221ICC500	03/11/2025	16:34	PP070424.D	8.88	3.83

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Analytical Sequence

AR1232ICC1000	AR1232ICC1000	03/11/2025	16:51	PP070425.D	8.88	3.83
AR1232ICC750	AR1232ICC750	03/11/2025	17:07	PP070426.D	8.88	3.83
AR1232ICC500	AR1232ICC500	03/11/2025	17:23	PP070427.D	8.88	3.83
AR1232ICC250	AR1232ICC250	03/11/2025	17:40	PP070428.D	8.88	3.83
AR1232ICC050	AR1232ICC050	03/11/2025	17:56	PP070429.D	8.88	3.83
AR1242ICC1000	AR1242ICC1000	03/11/2025	18:12	PP070430.D	8.88	3.83
AR1242ICC750	AR1242ICC750	03/11/2025	18:28	PP070431.D	8.88	3.83
AR1242ICC500	AR1242ICC500	03/11/2025	18:45	PP070432.D	8.88	3.83
AR1242ICC250	AR1242ICC250	03/11/2025	19:01	PP070433.D	8.88	3.83
AR1242ICC050	AR1242ICC050	03/11/2025	19:17	PP070434.D	8.88	3.83
AR1248ICC1000	AR1248ICC1000	03/11/2025	19:34	PP070435.D	8.88	3.83
AR1248ICC750	AR1248ICC750	03/11/2025	19:50	PP070436.D	8.88	3.83
AR1248ICC500	AR1248ICC500	03/11/2025	20:06	PP070437.D	8.88	3.83
AR1248ICC250	AR1248ICC250	03/11/2025	20:22	PP070438.D	8.88	3.83
AR1248ICC050	AR1248ICC050	03/11/2025	20:39	PP070439.D	8.88	3.83
AR1254ICC1000	AR1254ICC1000	03/11/2025	20:55	PP070440.D	8.88	3.83
AR1254ICC750	AR1254ICC750	03/11/2025	21:11	PP070441.D	8.88	3.83
AR1254ICC500	AR1254ICC500	03/11/2025	21:28	PP070442.D	8.88	3.83
AR1254ICC250	AR1254ICC250	03/11/2025	21:44	PP070443.D	8.88	3.83
AR1254ICC050	AR1254ICC050	03/11/2025	22:00	PP070444.D	8.88	3.83
AR1262ICC500	AR1262ICC500	03/11/2025	22:16	PP070445.D	8.88	3.83
AR1268ICC1000	AR1268ICC1000	03/11/2025	22:33	PP070446.D	8.88	3.83
AR1268ICC750	AR1268ICC750	03/11/2025	22:49	PP070447.D	8.88	3.83
AR1268ICC500	AR1268ICC500	03/11/2025	23:05	PP070448.D	8.88	3.83
AR1268ICC250	AR1268ICC250	03/11/2025	23:22	PP070449.D	8.88	3.83
AR1268ICC050	AR1268ICC050	03/11/2025	23:38	PP070450.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/14/2025	21:15	PP070543.D	8.87	3.83
I.BLK	I.BLK	03/14/2025	22:20	PP070547.D	8.87	3.83
PB167143BL	PB167143BL	03/14/2025	22:36	PP070548.D	8.87	3.83
PB167143BS	PB167143BS	03/14/2025	22:52	PP070549.D	8.87	3.83
AR1660CCC500	AR1660CCC500	03/15/2025	01:51	PP070558.D	8.87	3.83
I.BLK	I.BLK	03/15/2025	02:56	PP070562.D	8.87	3.83
C0O18MS	Q1572-06MS	03/15/2025	03:29	PP070564.D	8.87	3.83
C0O18MSD	Q1572-06MSD	03/15/2025	03:45	PP070565.D	8.87	3.83
AR1660CCC500	AR1660CCC500	03/15/2025	05:06	PP070568.D	8.87	3.83
I.BLK	I.BLK	03/15/2025	06:11	PP070572.D	8.87	3.83

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

WC1

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: Q1574-01 Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109929.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1254	1	5.596	5.546	5.646	479		
	2	5.747	5.697	5.797	1040		
	3	6.151	6.101	6.201	827		
COLUMN 1	4	6.381	6.331	6.431	643		
	5	6.8	6.75	6.85	1090	816	
	1	5.575	5.525	5.625	538		
	2	5.725	5.675	5.775	1090		
	3	6.126	6.076	6.176	909		
	4	6.354	6.304	6.404	713		
COLUMN 2	5	6.771	6.721	6.821	1170	884	8

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
WC1DL

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: Q1574-01DL Date(s) Analyzed: 03/17/2025 03/17/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PO109930.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1254	1	5.593	5.543	5.643	480		
	2	5.743	5.693	5.793	962		
	3	6.148	6.098	6.198	945		
COLUMN 1	4	6.377	6.327	6.427	617		
	5	6.797	6.747	6.847	1020	805	
	1	5.574	5.524	5.624	553		
	2	5.723	5.673	5.773	1070		
	3	6.124	6.074	6.174	932		
	4	6.352	6.302	6.402	691		
COLUMN 2	5	6.769	6.719	6.819	1120	873	8.1

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.
PB167143BS

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: PB167143BS Date(s) Analyzed: 03/14/2025 03/14/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070549.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.675	5.625	5.725	146		
	2	5.697	5.647	5.747	157		
	3	5.759	5.709	5.809	146		
COLUMN 1	4	5.856	5.806	5.906	141		
	5	6.149	6.099	6.199	142	146	
	1	4.913	4.863	4.963	156		
	2	4.932	4.882	4.982	149		
	3	5.109	5.059	5.159	153		
	4	5.15	5.1	5.2	152		
COLUMN 2	5	5.366	5.316	5.416	150	152	4.03
Aroclor-1260	1	7.268	7.218	7.318	161		
	2	7.522	7.472	7.572	156		
	3	7.88	7.83	7.93	133		
COLUMN 1	4	8.102	8.052	8.152	138		
	5	8.424	8.374	8.474	138	145	
	1	6.402	6.352	6.452	155		
	2	6.59	6.54	6.64	152		
	3	6.743	6.693	6.793	153		
	4	7.215	7.165	7.265	129		
COLUMN 2	5	7.456	7.406	7.506	130	144	0.69

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O18MS

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: Q1572-06MS Date(s) Analyzed: 03/15/2025 03/15/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070564.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.675	5.625	5.725	13000		
	2	5.697	5.647	5.747	17500		
	3	5.762	5.712	5.812	2750		
COLUMN 1	4	5.855	5.805	5.905	14100		
	5	6.147	6.097	6.197	24900	14000	
	1	4.913	4.863	4.963	12500		
	2	4.932	4.882	4.982	15300		
	3	5.109	5.059	5.159	13200		
	4	5.15	5.1	5.2	19500		
COLUMN 2	5	5.365	5.315	5.415	20900	16000	13.33
Aroclor-1248	1	5.675	5.625	5.725	19800		
	2	5.946	5.896	5.996	16400		
	3	6.147	6.097	6.197	18700		
COLUMN 1	4	6.547	6.497	6.597	16700		
	5	6.586	6.536	6.636	17900	18000	
	1	4.913	4.863	4.963	19100		
	2	5.15	5.1	5.2	14000		
	3	5.192	5.142	5.242	15400		
	4	5.365	5.315	5.415	16000		
COLUMN 2	5	5.759	5.709	5.809	16400	16000	11.76

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.268	7.218	7.318	1470		
	2	7.52	7.47	7.57	1830		
	3	7.878	7.828	7.928	932		
COLUMN 1	4	8.099	8.049	8.149	1170		
	5	8.424	8.374	8.474	745	1200	
	1	6.413	6.363	6.463	3280		
	2	6.589	6.539	6.639	896		
	3	6.742	6.692	6.792	1140		
	4	7.215	7.165	7.265	651		
COLUMN 2	5	7.455	7.405	7.505	753	1300	8

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

C0O18MSD

Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Lab Sample ID: Q1572-06MSD Date(s) Analyzed: 03/15/2025 03/15/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column:(2): ZB-MR2 ID: 0.32 (mm)

Data file PP070565.D

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%RPD
Aroclor-1016	1	5.675	5.625	5.725	13600		
	2	5.696	5.646	5.746	18500		
	3	5.763	5.713	5.813	2910		
COLUMN 1	4	5.856	5.806	5.906	14900		
	5	6.147	6.097	6.197	26000	15000	
	1	4.913	4.863	4.963	13100		
	2	4.931	4.881	4.981	16200		
	3	5.109	5.059	5.159	14200		
	4	5.15	5.1	5.2	20600		
COLUMN 2	5	5.365	5.315	5.415	22000	17000	12.5
Aroclor-1248	1	5.675	5.625	5.725	20600		
	2	5.946	5.896	5.996	17000		
	3	6.147	6.097	6.197	19700		
COLUMN 1	4	6.548	6.498	6.598	17400		
	5	6.586	6.536	6.636	18500	19000	
	1	4.913	4.863	4.963	20000		
	2	5.15	5.1	5.2	14700		
	3	5.192	5.142	5.242	16200		
	4	5.365	5.315	5.415	16800		
COLUMN 2	5	5.758	5.708	5.808	17100	17000	11.11

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IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

Aroclor-1260	1	7.268	7.218	7.318	1520		
	2	7.519	7.469	7.569	1920		
	3	7.878	7.828	7.928	964		
COLUMN 1	4	8.098	8.048	8.148	1200		
	5	8.424	8.374	8.474	760	1300	
	1	6.413	6.363	6.463	3420		
	2	6.588	6.538	6.638	933		
	3	6.741	6.691	6.791	1190		
	4	7.214	7.164	7.264	671		
COLUMN 2	5	7.455	7.405	7.505	768	1400	7.41

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:02
Operator : YP/AJ
Sample : Q1574-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WC1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:31:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.693	3.690	174.6E6	103.8E6	18.451m	19.840m
2)	SA Decachlor...	8.746	8.698	239.0E6	74993218	27.781m	23.551m
	Target Compounds						
26)	L6 AR-1254-1	5.596	5.575	727.6E6	414.4E6	1411.125	1584.419
27)	L6 AR-1254-2	5.747	5.725	1385.9E6	754.3E6	3077.166	3215.895
28)	L6 AR-1254-3	6.151	6.126	1744.0E6	955.1E6	2435.935	2677.679
29)	L6 AR-1254-4	6.381	6.354	792.6E6	405.4E6	1892.559	2098.957
30)	L6 AR-1254-5	6.800	6.771	1997.8E6	1021.0E6	3202.124	3440.956

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

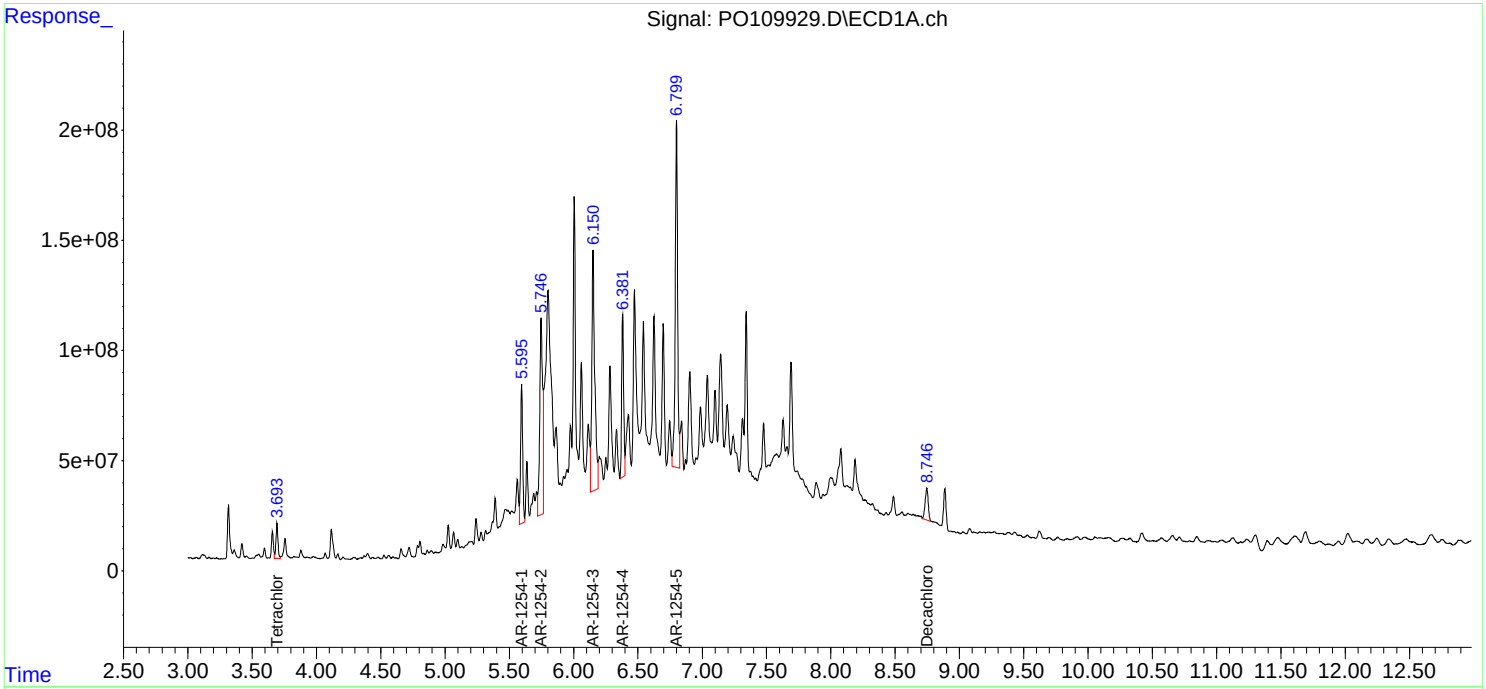
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:02
Operator : YP/AJ
Sample : Q1574-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

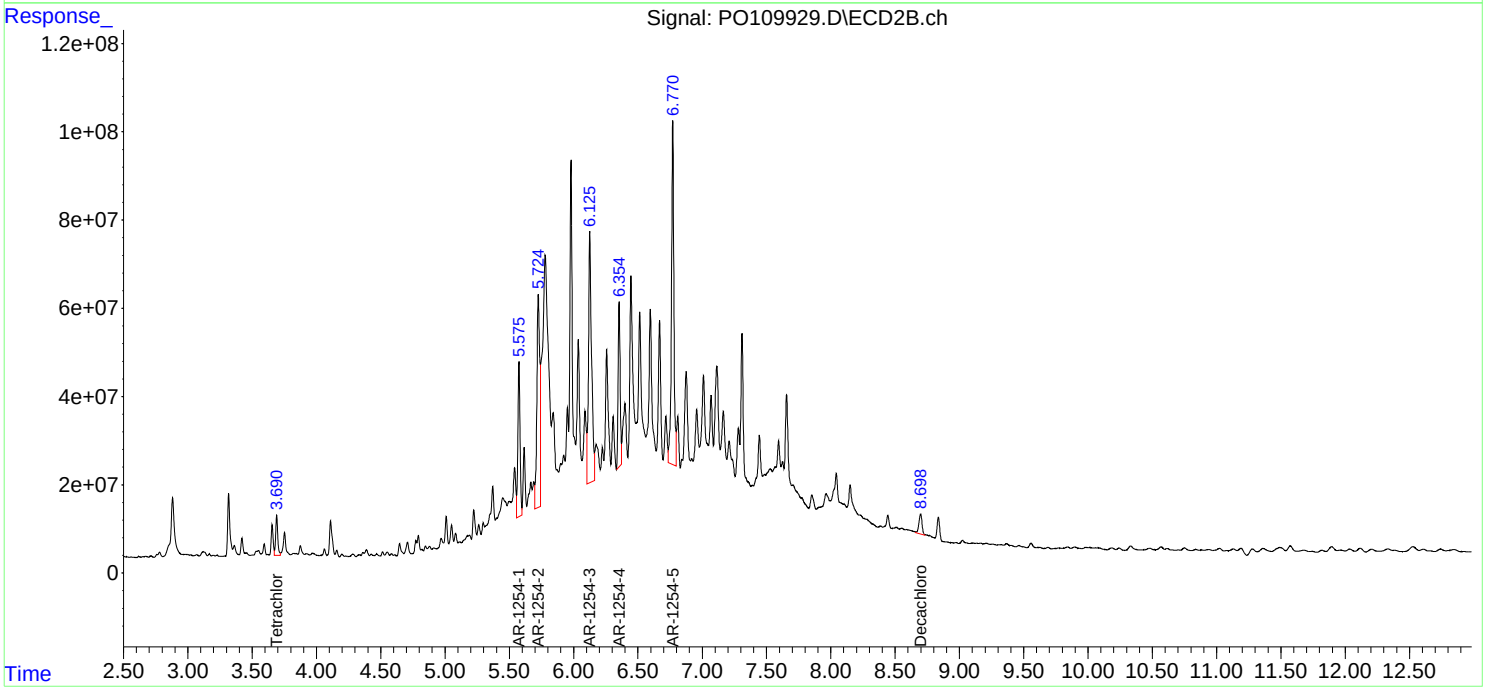
Instrument :
ECD_O
ClientSampleId :
WC1

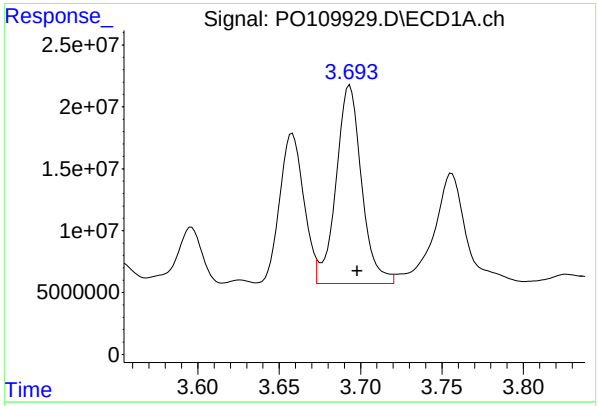
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:31:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







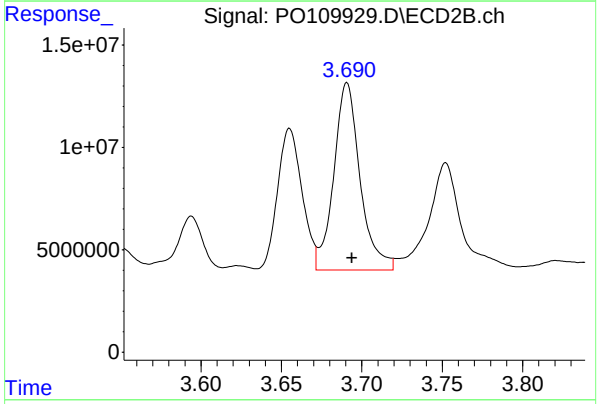
#1 Tetrachloro-m-xylene

R.T.: 3.693 min
Delta R.T.: -0.005 min
Response: 174643017
Conc: 18.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC1

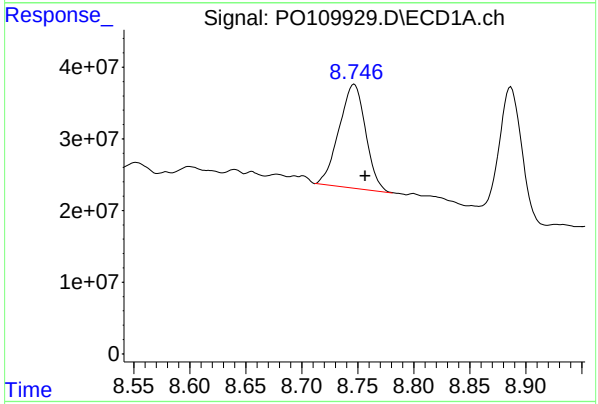
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



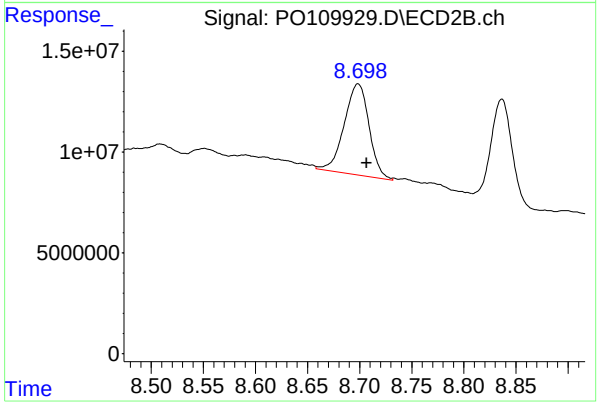
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.003 min
Response: 103846867
Conc: 19.84 ng/ml m



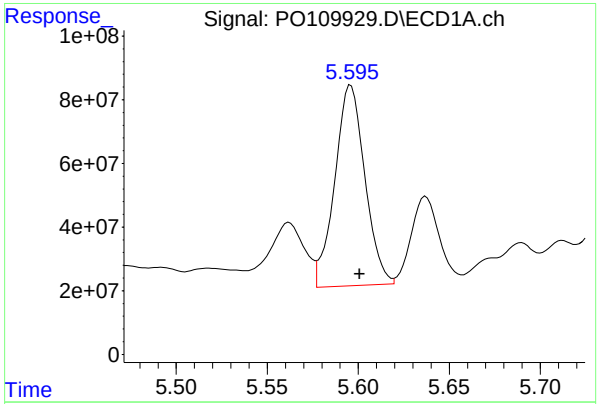
#2 Decachlorobiphenyl

R.T.: 8.746 min
Delta R.T.: -0.010 min
Response: 238970894
Conc: 27.78 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.698 min
Delta R.T.: -0.009 min
Response: 74993218
Conc: 23.55 ng/ml m



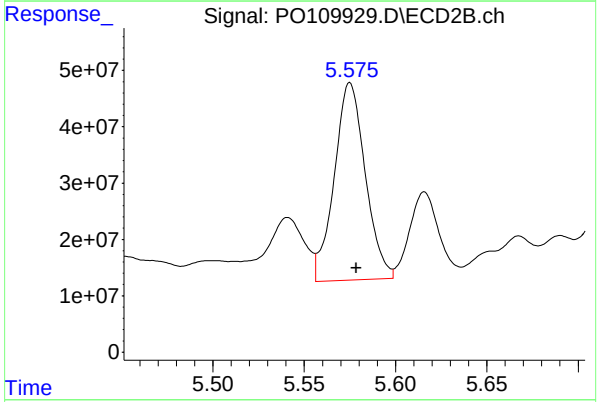
#26 AR-1254-1

R.T.: 5.596 min
Delta R.T.: -0.005 min
Response: 727585264
Conc: 1411.12 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC1

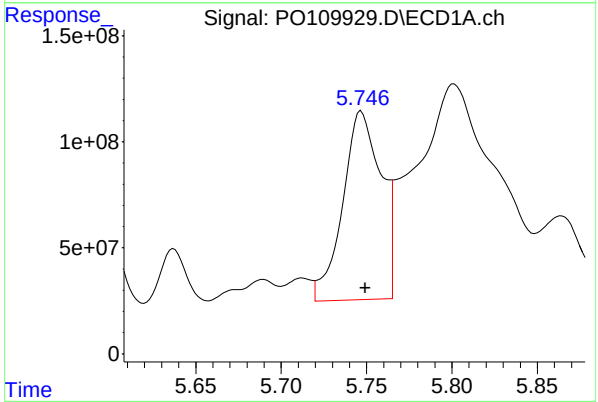
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



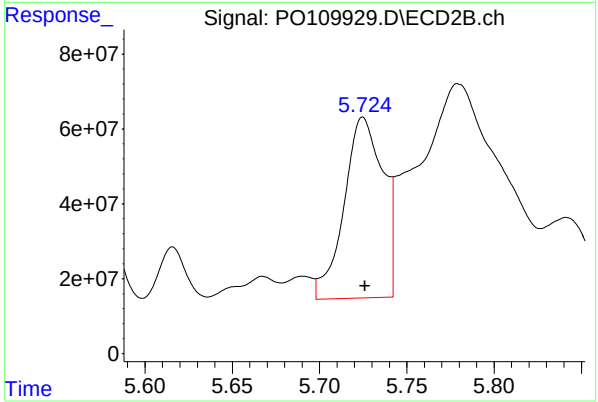
#26 AR-1254-1

R.T.: 5.575 min
Delta R.T.: -0.003 min
Response: 414386173
Conc: 1584.42 ng/ml



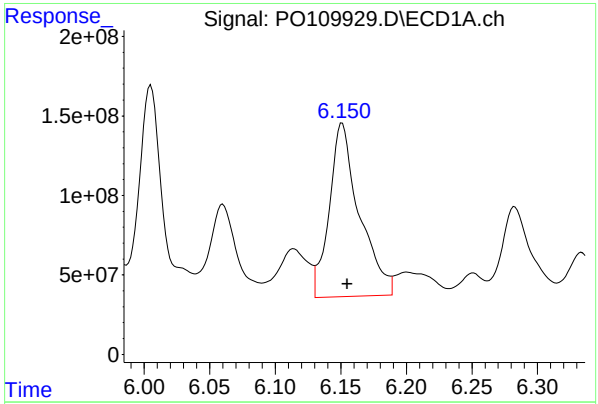
#27 AR-1254-2

R.T.: 5.747 min
Delta R.T.: -0.002 min
Response: 1385877209
Conc: 3077.17 ng/ml



#27 AR-1254-2

R.T.: 5.725 min
Delta R.T.: -0.001 min
Response: 754325007
Conc: 3215.90 ng/ml



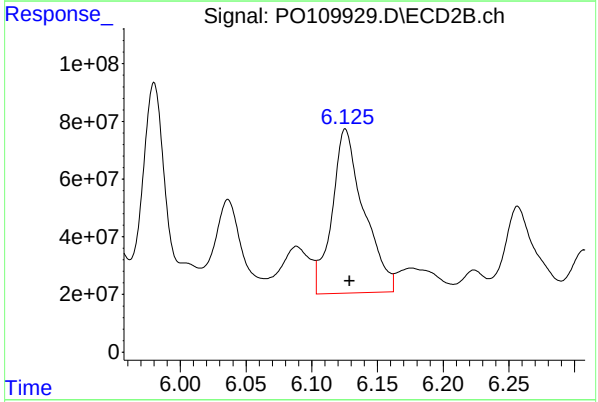
#28 AR-1254-3

R.T.: 6.151 min
Delta R.T.: -0.004 min
Response: 1744021014
Conc: 2435.94 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC1

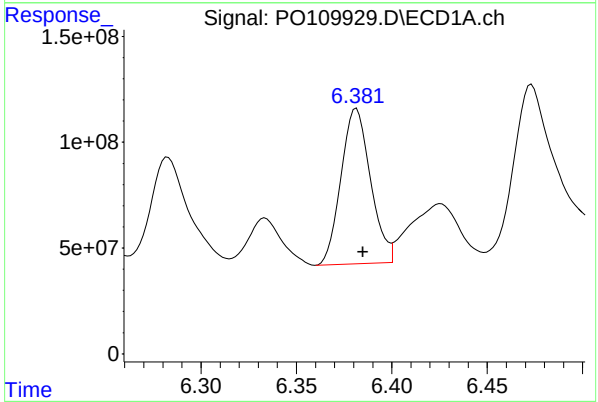
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



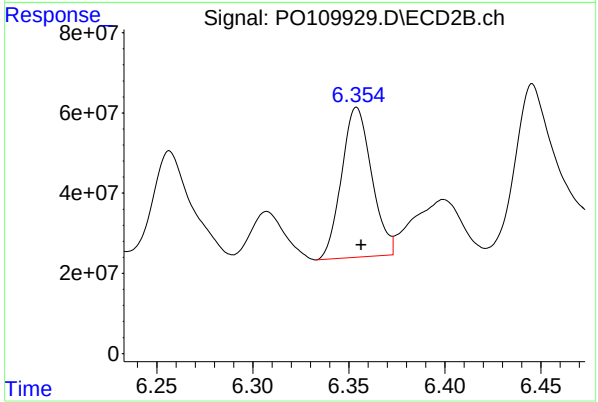
#28 AR-1254-3

R.T.: 6.126 min
Delta R.T.: -0.003 min
Response: 955140431
Conc: 2677.68 ng/ml



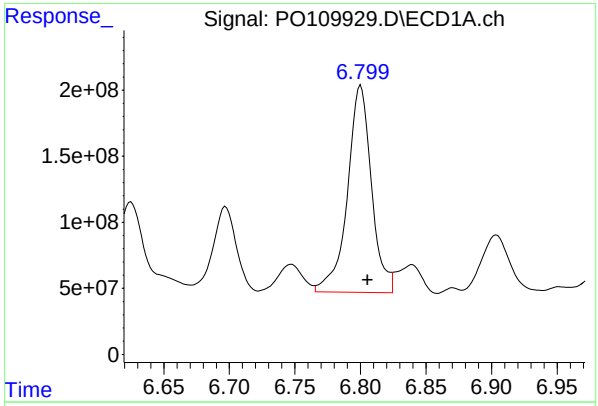
#29 AR-1254-4

R.T.: 6.381 min
Delta R.T.: -0.003 min
Response: 792587825
Conc: 1892.56 ng/ml



#29 AR-1254-4

R.T.: 6.354 min
Delta R.T.: -0.002 min
Response: 405357688
Conc: 2098.96 ng/ml



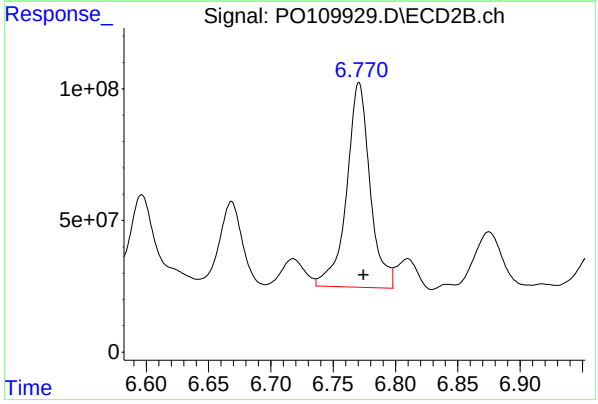
#30 AR-1254-5

R.T.: 6.800 min
Delta R.T.: -0.005 mi
Response: 1997814415
Conc: 3202.12 ng/m

Instrument :
ECD_O
ClientSampleId :
WC1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



#30 AR-1254-5

R.T.: 6.771 min
Delta R.T.: -0.004 min
Response: 1021042534
Conc: 3440.96 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:20
Operator : YP/AJ
Sample : Q1574-01DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WC1DL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.691	3.690	38517181	19398431	4.069m	3.706m
2)	SA Decachlor...	8.743	8.694	56138249	15115079	6.526m	4.747 #
	Target Compounds						
26)	L6 AR-1254-1	5.593	5.574	145.7E6	85137355	282.609	325.525
27)	L6 AR-1254-2	5.743	5.723	255.1E6	147.3E6	566.324	627.941
28)	L6 AR-1254-3	6.148	6.124	398.3E6	195.8E6	556.326	548.986
29)	L6 AR-1254-4	6.377	6.352	152.2E6	78620421	363.346	407.099
30)	L6 AR-1254-5	6.797	6.769	375.5E6	196.5E6	601.928	662.147

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

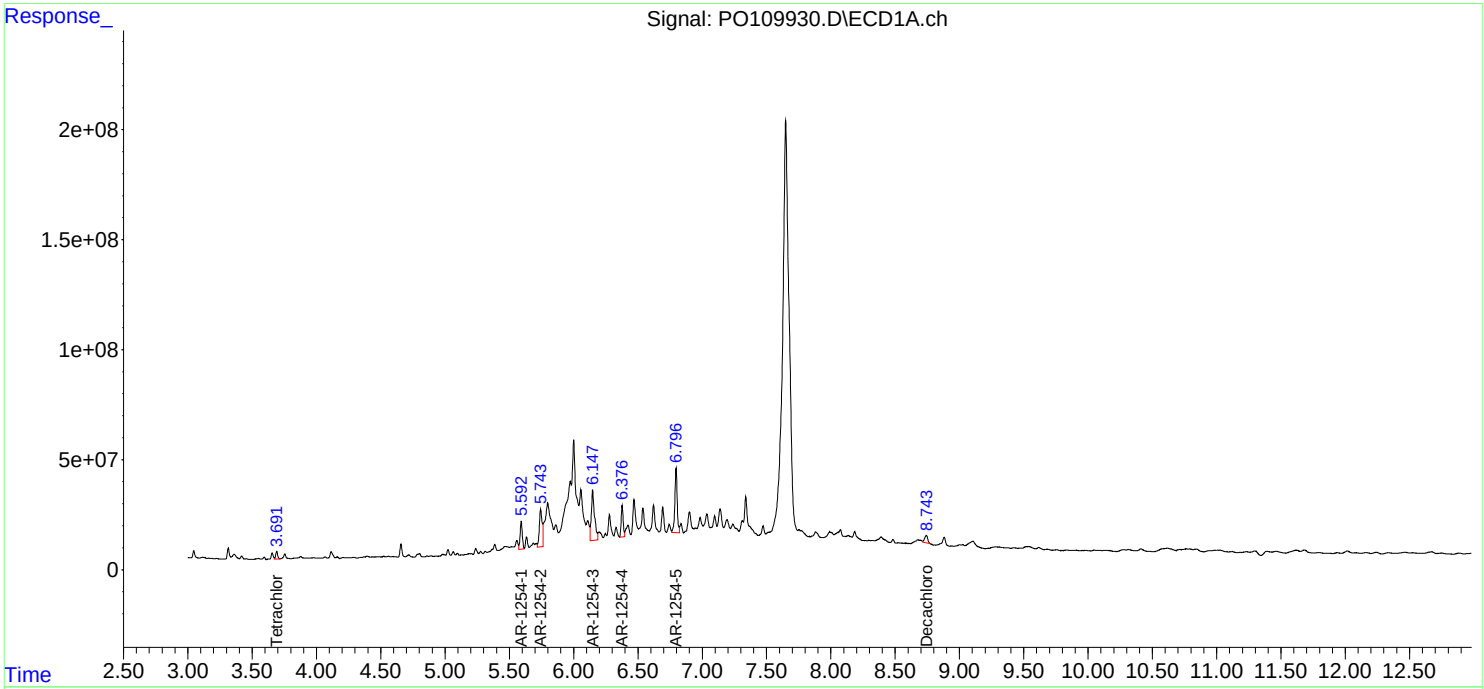
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO031725\
Data File : PO109930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 17 Mar 2025 11:20
Operator : YP/AJ
Sample : Q1574-01DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

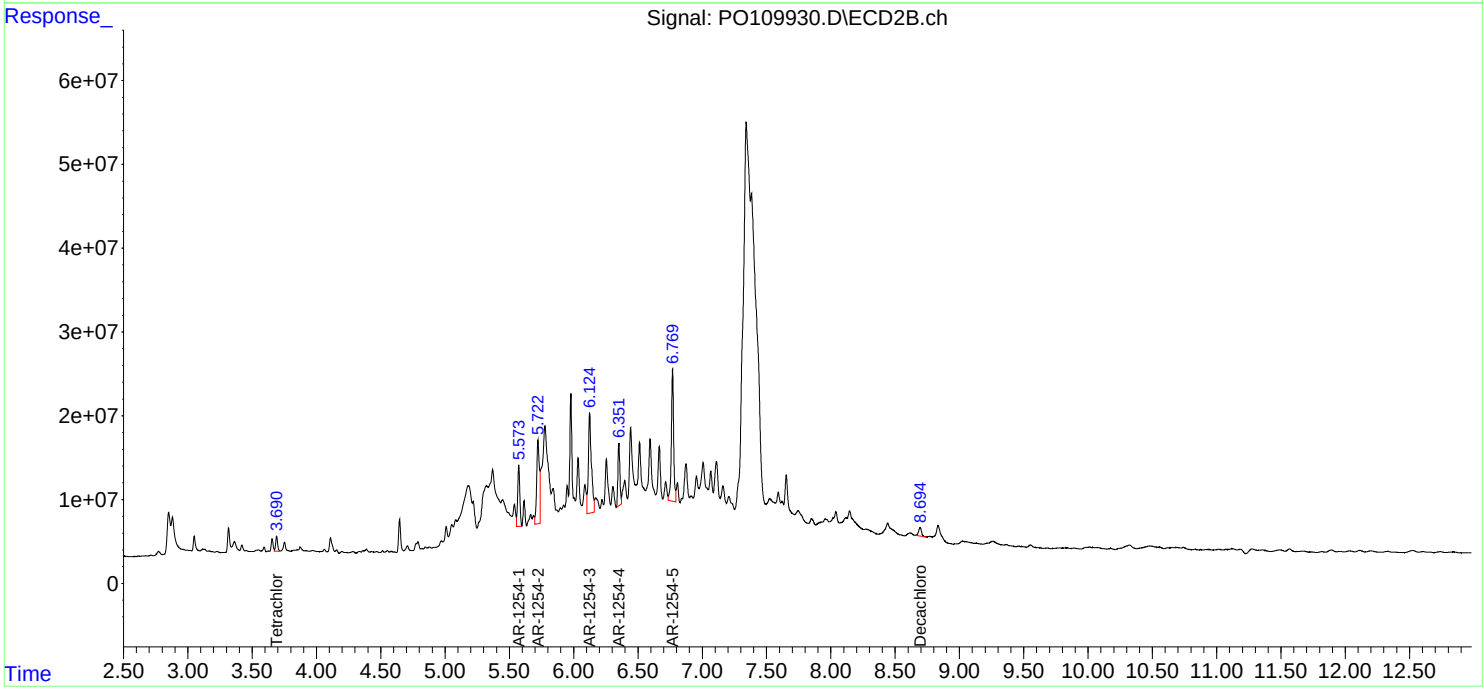
Instrument :
ECD_O
ClientSampleId :
WC1DL

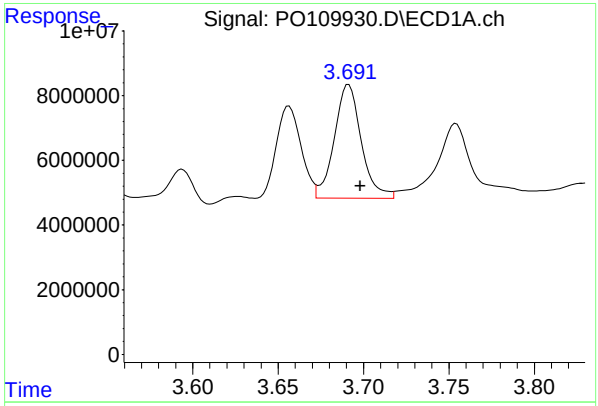
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 18 01:31:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO022025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Feb 21 04:40:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm







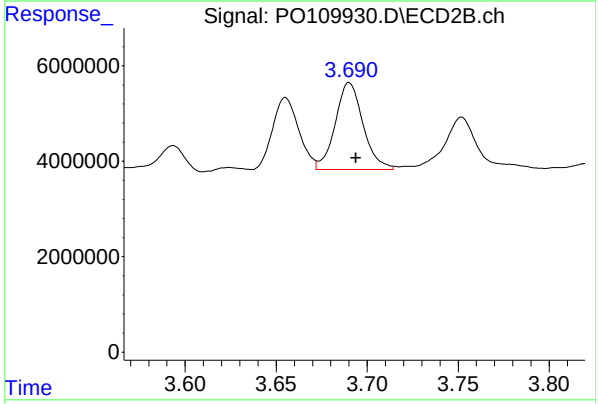
#1 Tetrachloro-m-xylene

R.T.: 3.691 min
Delta R.T.: -0.007 min
Response: 38517181
Conc: 4.07 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC1DL

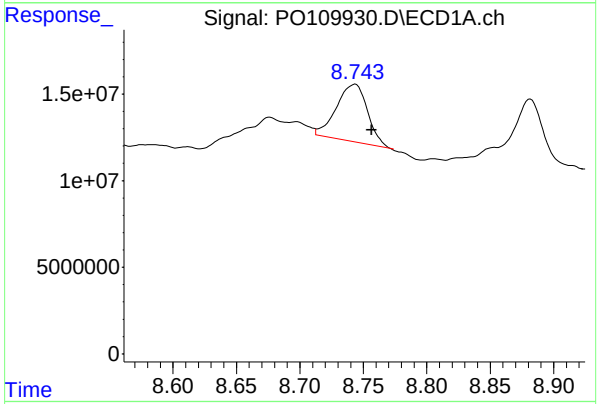
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



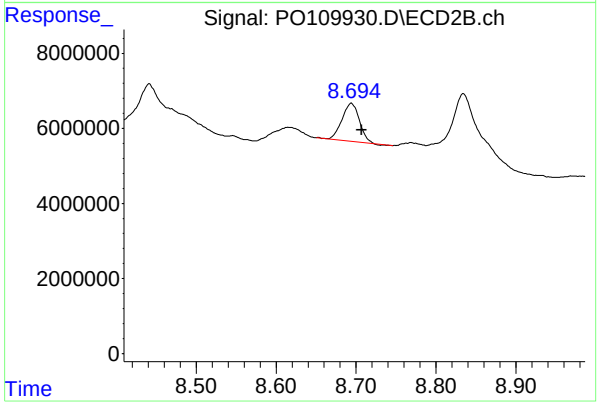
#1 Tetrachloro-m-xylene

R.T.: 3.690 min
Delta R.T.: -0.004 min
Response: 19398431
Conc: 3.71 ng/ml m



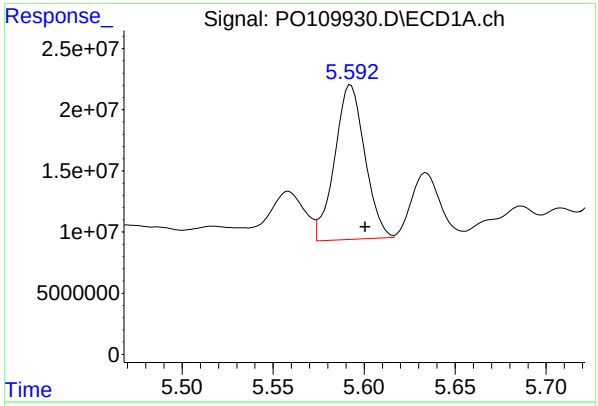
#2 Decachlorobiphenyl

R.T.: 8.743 min
Delta R.T.: -0.014 min
Response: 56138249
Conc: 6.53 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.694 min
Delta R.T.: -0.013 min
Response: 15115079
Conc: 4.75 ng/ml



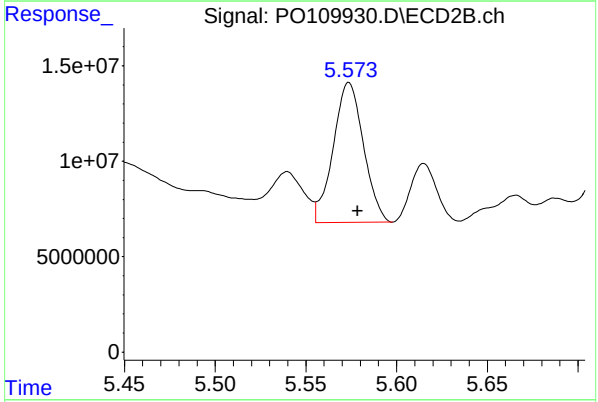
#26 AR-1254-1

R.T.: 5.593 min
Delta R.T.: -0.008 min
Response: 145715232
Conc: 282.61 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC1DL

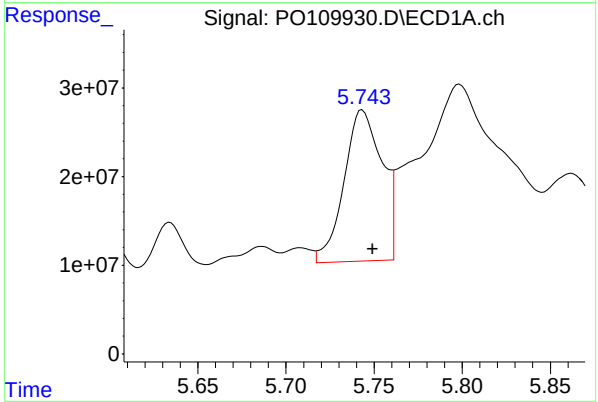
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



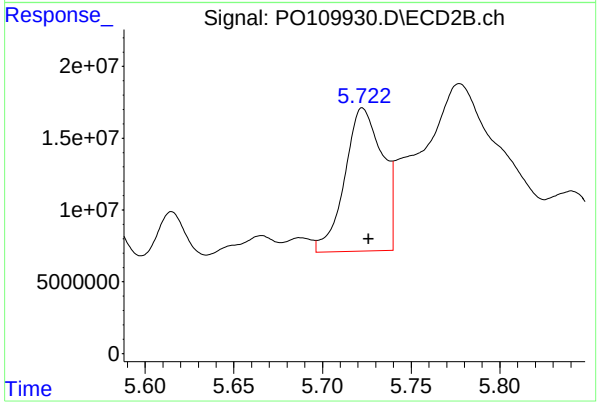
#26 AR-1254-1

R.T.: 5.574 min
Delta R.T.: -0.005 min
Response: 85137355
Conc: 325.53 ng/ml



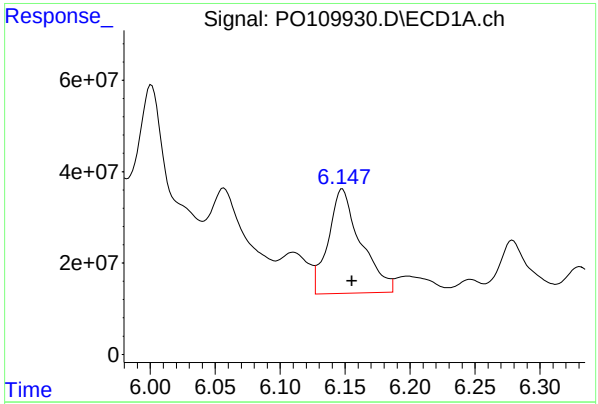
#27 AR-1254-2

R.T.: 5.743 min
Delta R.T.: -0.006 min
Response: 255057892
Conc: 566.32 ng/ml



#27 AR-1254-2

R.T.: 5.723 min
Delta R.T.: -0.003 min
Response: 147290675
Conc: 627.94 ng/ml



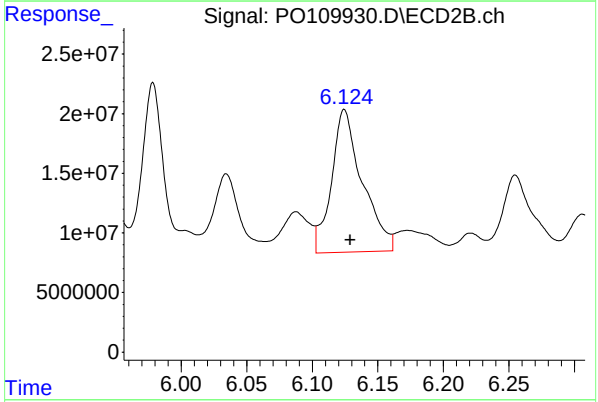
#28 AR-1254-3

R.T.: 6.148 min
Delta R.T.: -0.007 min
Response: 398304349
Conc: 556.33 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC1DL

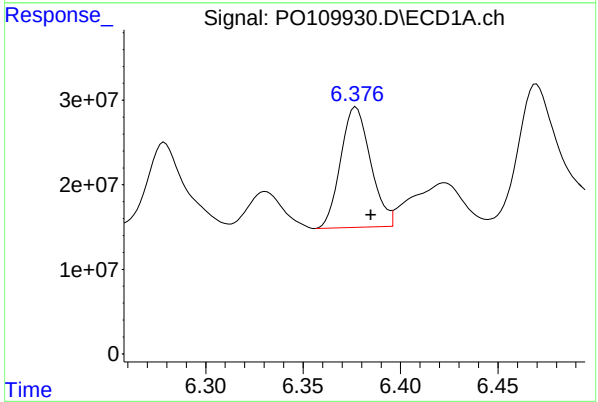
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



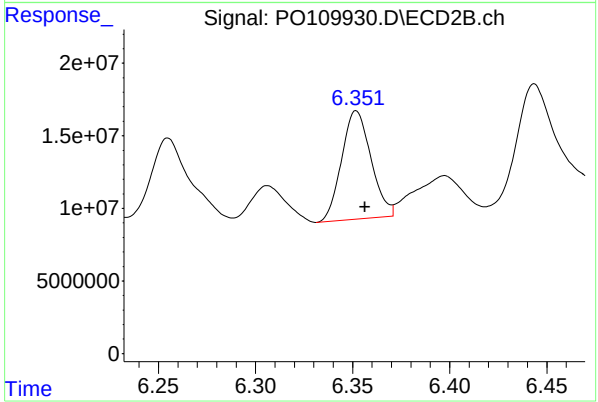
#28 AR-1254-3

R.T.: 6.124 min
Delta R.T.: -0.004 min
Response: 195825658
Conc: 548.99 ng/ml



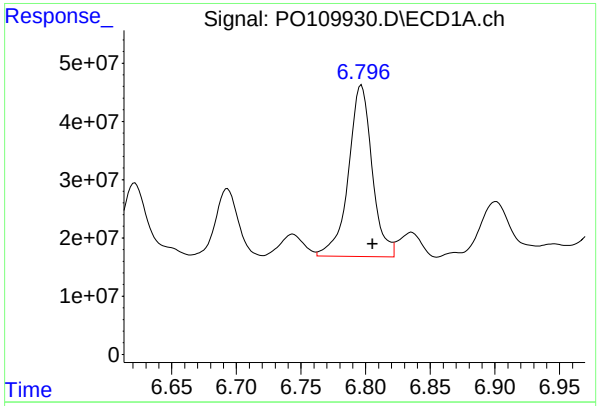
#29 AR-1254-4

R.T.: 6.377 min
Delta R.T.: -0.008 min
Response: 152166046
Conc: 363.35 ng/ml



#29 AR-1254-4

R.T.: 6.352 min
Delta R.T.: -0.004 min
Response: 78620421
Conc: 407.10 ng/ml



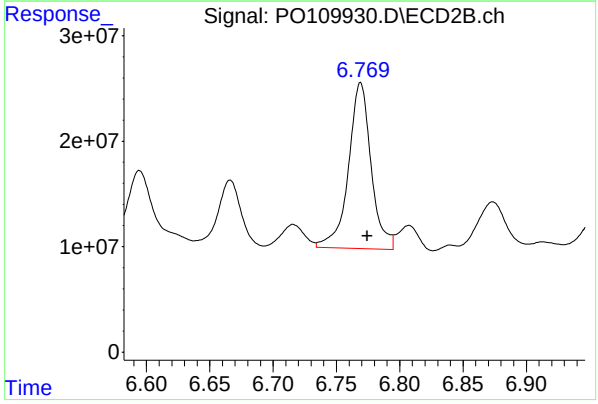
#30 AR-1254-5

R.T.: 6.797 min
Delta R.T.: -0.009 min
Response: 375544516
Conc: 601.93 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/18/2025
Supervised By :mohammad ahmed 03/19/2025



#30 AR-1254-5

R.T.: 6.769 min
Delta R.T.: -0.005 min
Response: 196480360
Conc: 662.15 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070548.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 22:36
Operator : YP\AJ
Sample : PB167143BL
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167143BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 01:59:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.826	31678309	21499894	20.367	21.451
2)	SA Decachlor...	10.241	8.871	22520411	20574512	21.199	21.030
	Target Compounds						

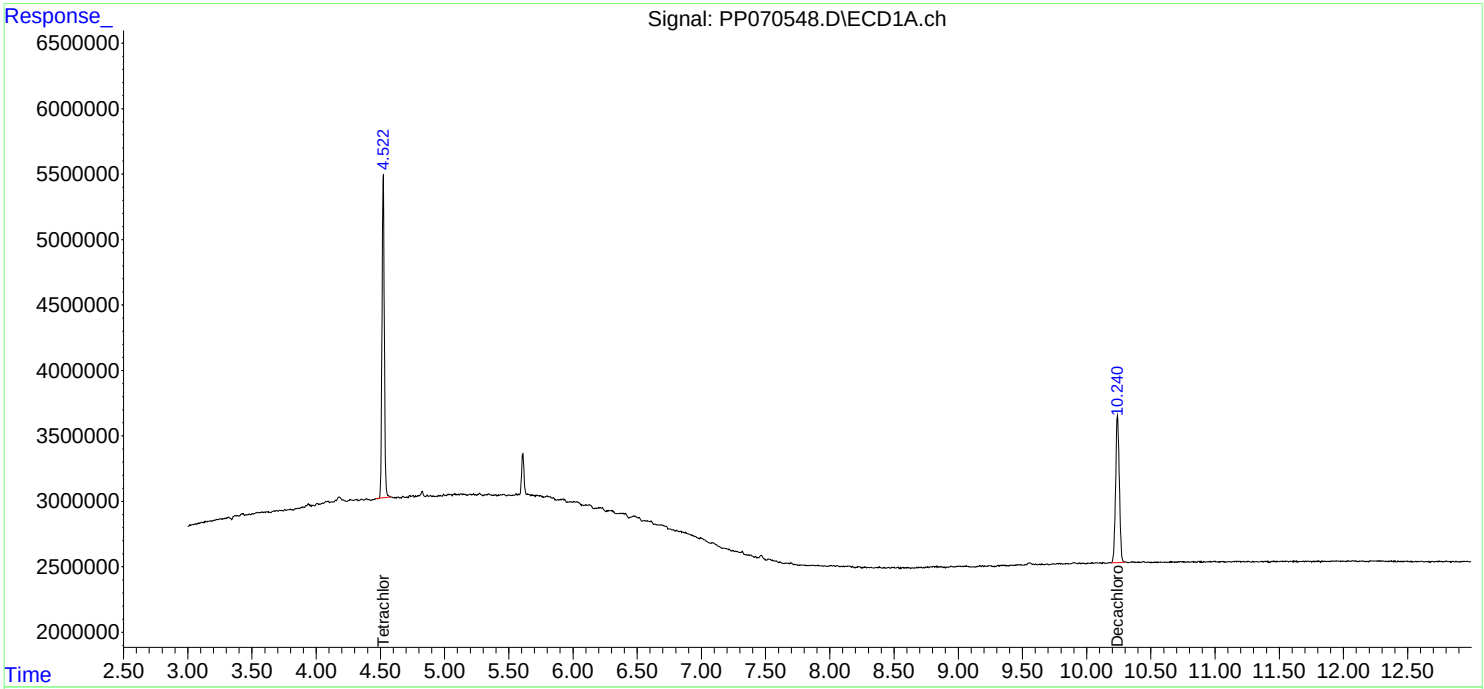
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

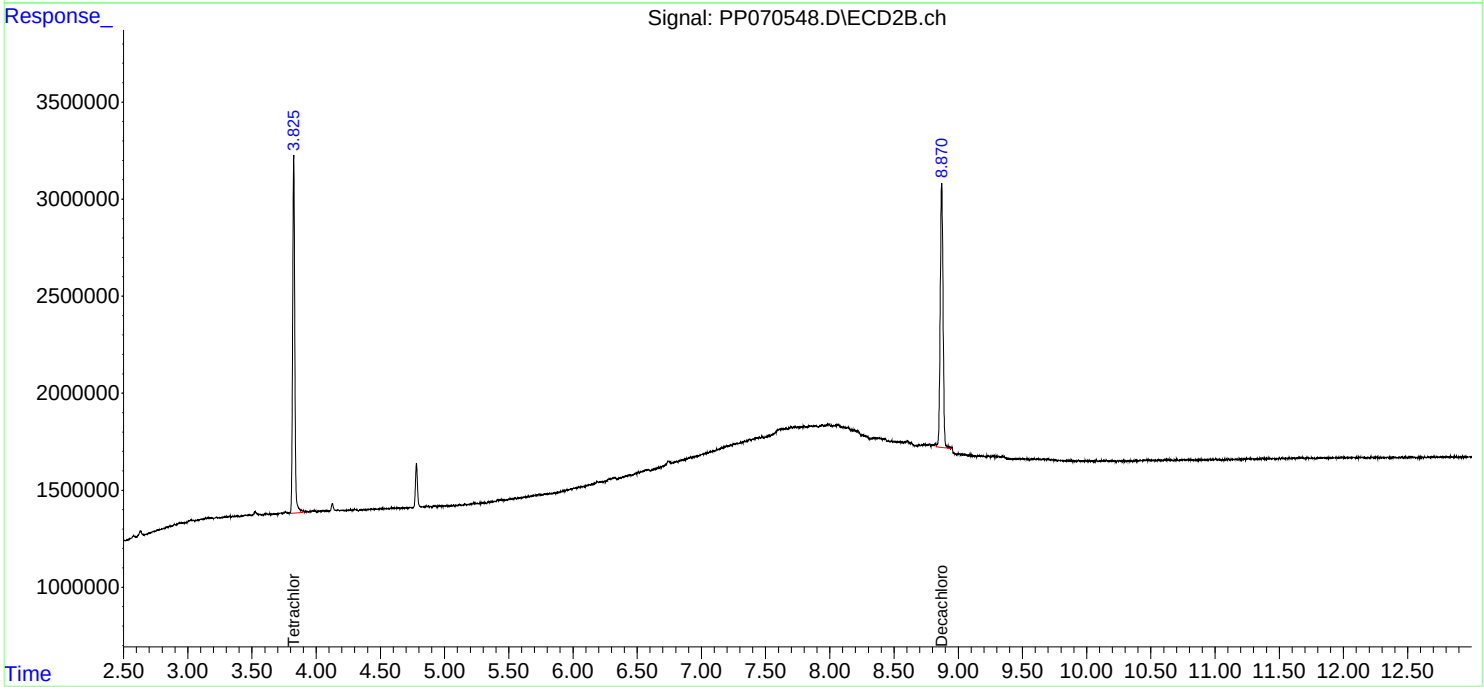
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070548.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 22:36
Operator : YP\AJ
Sample : PB167143BL
Misc :
ALS Vial : 35 Sample Multiplier: 1

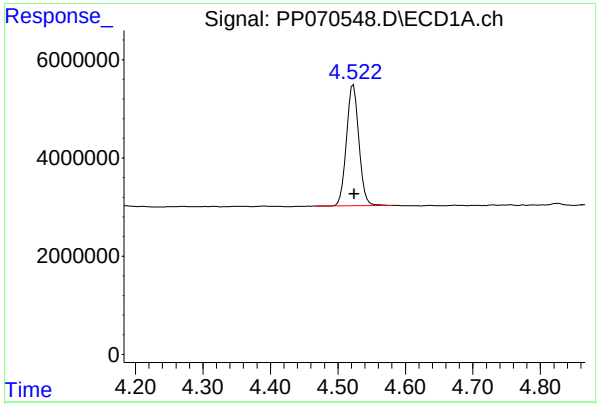
Instrument :
ECD_P
ClientSampleId :
PB167143BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 01:59:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



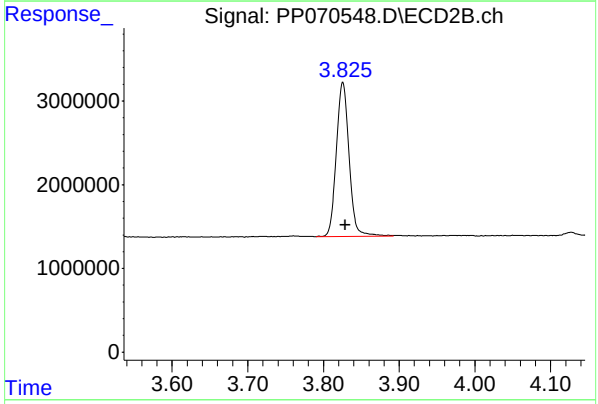




#1 Tetrachloro-m-xylene

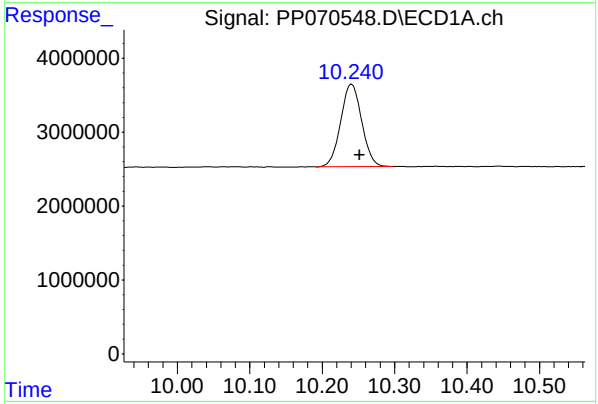
R.T.: 4.523 min
Delta R.T.: 0.000 min
Response: 31678309
Conc: 20.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167143BL



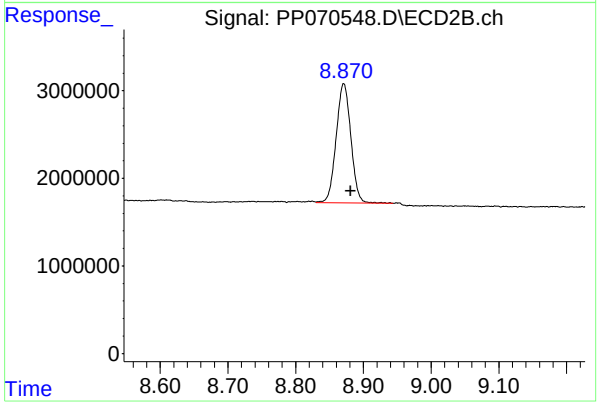
#1 Tetrachloro-m-xylene

R.T.: 3.826 min
Delta R.T.: -0.003 min
Response: 21499894
Conc: 21.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.241 min
Delta R.T.: -0.011 min
Response: 22520411
Conc: 21.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.871 min
Delta R.T.: -0.010 min
Response: 20574512
Conc: 21.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070549.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 22:52
Operator : YP\AJ
Sample : PB167143BS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167143BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 01:59:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.524	3.827	33205418	21721756	21.349	21.672
2)	SA Decachlor...	10.242	8.872	23113123	19533518	21.757	19.966
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.913	22655811	16838908	436.939	468.365
4)	L1 AR-1016-2	5.697	4.932	33659019	23292035	470.461	448.211
5)	L1 AR-1016-3	5.759	5.109	20019488	13110139	439.622	460.758
6)	L1 AR-1016-4	5.856	5.150	16488008	10187202	422.360	454.991
7)	L1 AR-1016-5	6.149	5.366	14814899	13366592	427.904	449.768
31)	L7 AR-1260-1	7.268	6.402	28474787	23132691	484.775	464.658
32)	L7 AR-1260-2	7.522	6.590	38514455	30113094	469.442	455.655
33)	L7 AR-1260-3	7.880	6.743	26305571	26221520	400.038	458.439
34)	L7 AR-1260-4	8.102	7.215	27028438	19782442	413.641m	386.651
35)	L7 AR-1260-5	8.424	7.456	56522478	50192203	413.546	389.736

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

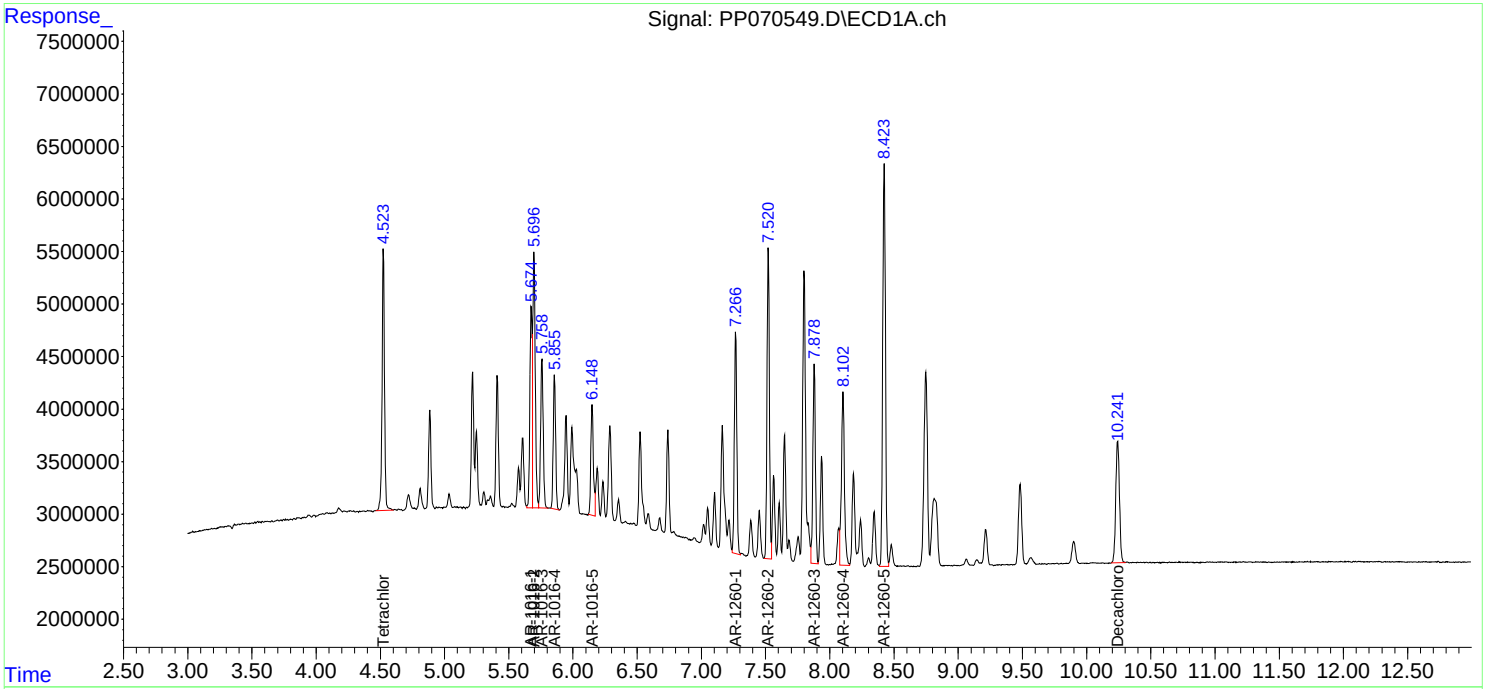
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070549.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Mar 2025 22:52
Operator : YP\AJ
Sample : PB167143BS
Misc :
ALS Vial : 36 Sample Multiplier: 1

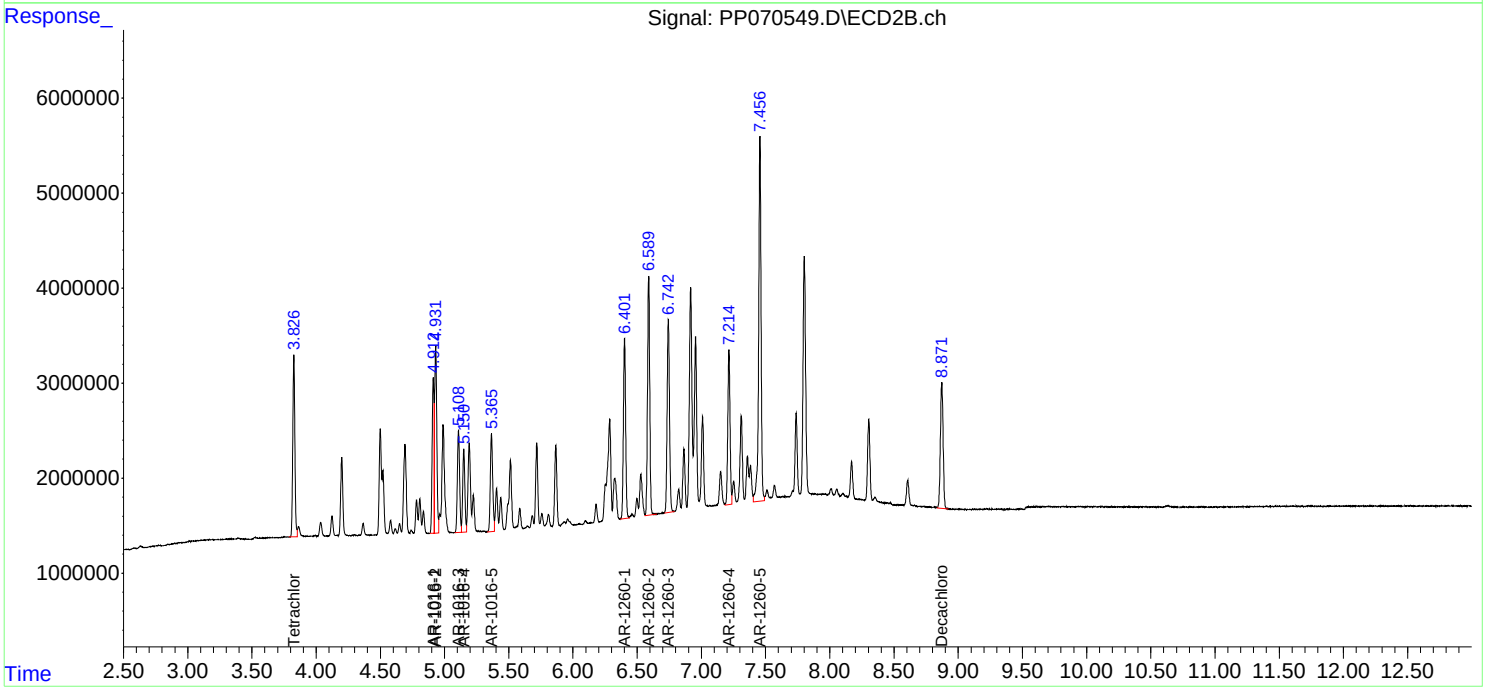
Instrument :
ECD_P
ClientSampleId :
PB167143BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 01:59:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 03:29
Operator : YP\AJ
Sample : Q1572-06MS
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O18MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:29:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.826	31492424	19015081	20.247	18.972
2)	SA Decachlor...	10.241	8.872	23103528	33309847	21.748m	34.047m#
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.913	1545.8E6	1027.1E6	29811.971	28568.783
4)	L1 AR-1016-2	5.697	4.932	2869.3E6	1817.2E6	40104.719	34967.922
5)	L1 AR-1016-3	5.762	5.109	286.7E6	860.8E6	6295.985	30253.551 #
6)	L1 AR-1016-4	5.855	5.150	1261.6E6	998.4E6	32317.971	44590.873 #
7)	L1 AR-1016-5	6.147	5.365	1967.9E6	1421.1E6	56839.757m	47818.941
21)	L5 AR-1248-1	5.675	4.913	1545.8E6	1027.1E6	45256.716	43752.792
22)	L5 AR-1248-2	5.946	5.150	1587.1E6	998.4E6	37389.363	31893.782
23)	L5 AR-1248-3	6.147	5.192	1971.4E6	1118.7E6	42719.007m	35266.768
24)	L5 AR-1248-4	6.547	5.365	2211.6E6	1421.1E6	38136.398	36464.194
25)	L5 AR-1248-5	6.586	5.759	2198.5E6	1430.4E6	40950.306	37557.199
31)	L7 AR-1260-1	7.268	6.413	197.7E6	373.7E6	3366.027	7505.712m#
32)	L7 AR-1260-2	7.520	6.589	343.1E6	135.4E6	4181.896	2048.218 #
33)	L7 AR-1260-3	7.878	6.742	140.0E6	149.3E6	2129.150	2610.828
34)	L7 AR-1260-4	8.099	7.215	174.2E6	76097429	2666.075	1487.338 #
35)	L7 AR-1260-5	8.424	7.455	232.7E6	221.6E6	1702.840	1720.632

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

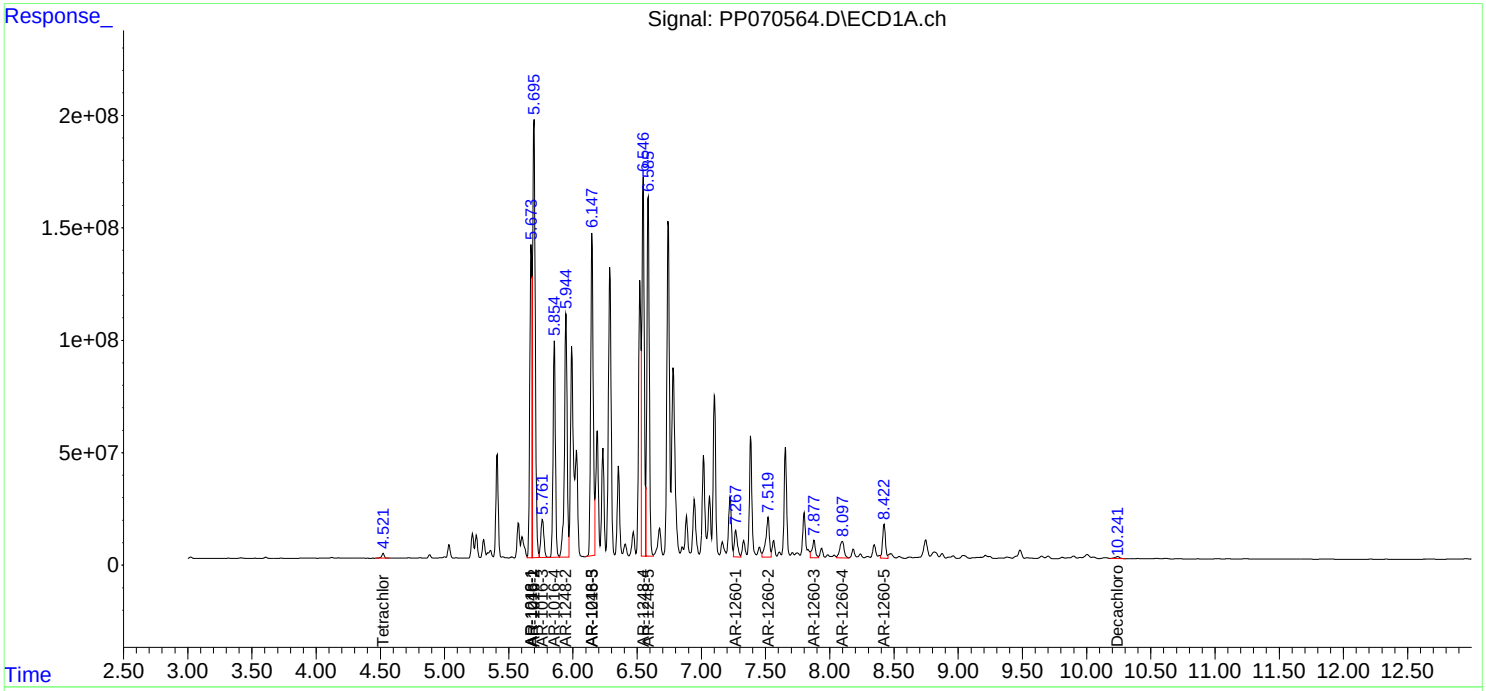
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 03:29
Operator : YP\AJ
Sample : Q1572-06MS
Misc :
ALS Vial : 46 Sample Multiplier: 1

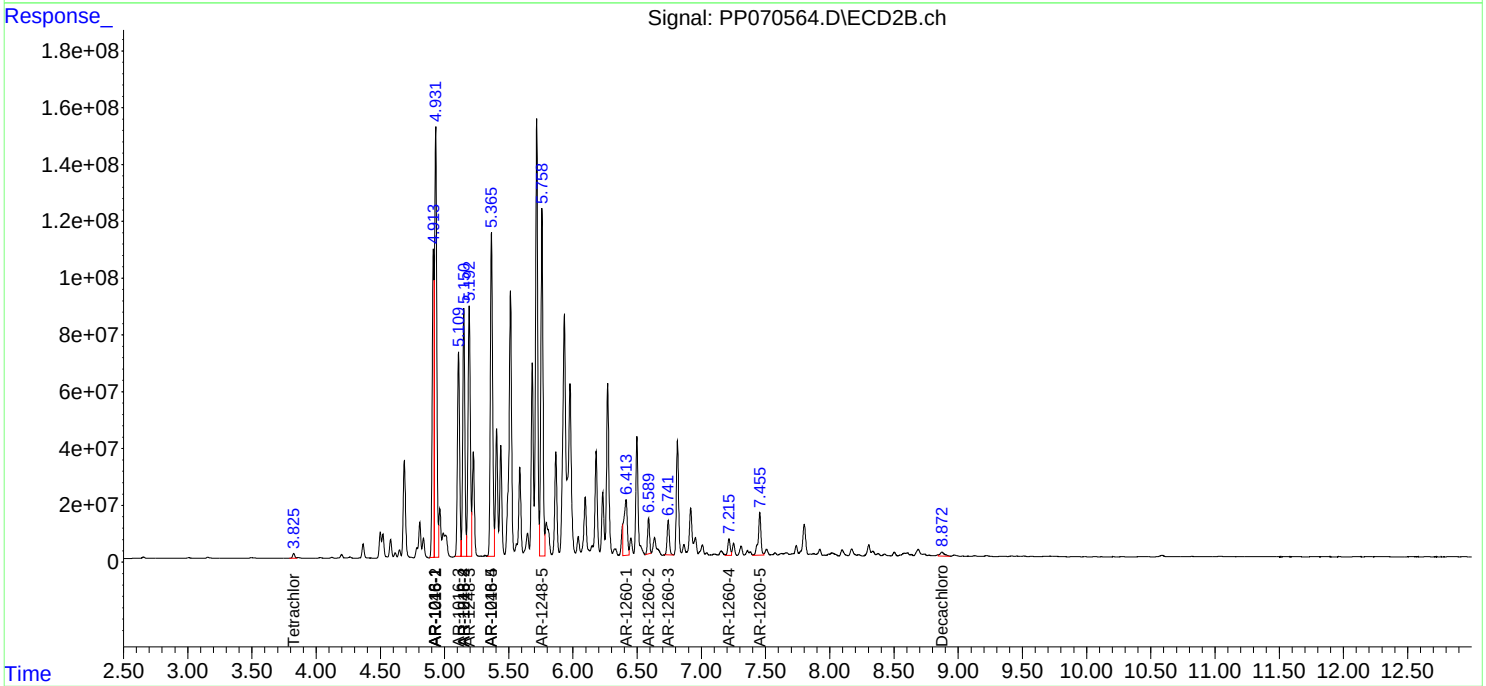
Instrument :
ECD_P
ClientSampleId :
C0O18MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:29:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 03:45
Operator : YP\AJ
Sample : Q1572-06MSD
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
C0O18MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:30:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	4.523	3.825	32368170	19674300	20.810	19.630
2)	SA Decachlor...	10.240	8.872	23727783	32481015	22.335m	33.199m#
	Target Compounds						
3)	L1 AR-1016-1	5.675	4.913	1606.9E6	1075.9E6	30991.180	29925.656
4)	L1 AR-1016-2	5.696	4.931	3025.4E6	1925.6E6	42287.416	37053.656
5)	L1 AR-1016-3	5.763	5.109	302.8E6	923.3E6	6649.684	32447.986 #
6)	L1 AR-1016-4	5.856	5.150	1331.5E6	1052.2E6	34107.498	46995.572 #
7)	L1 AR-1016-5	6.147	5.365	2056.4E6	1493.0E6	59397.064m	50236.412
21)	L5 AR-1248-1	5.675	4.913	1606.9E6	1075.9E6	47046.839	45830.829
22)	L5 AR-1248-2	5.946	5.150	1650.8E6	1052.2E6	38891.475	33613.751
23)	L5 AR-1248-3	6.147	5.192	2074.5E6	1177.9E6	44952.045m	37132.696
24)	L5 AR-1248-4	6.548	5.365	2306.8E6	1493.0E6	39778.459	38307.629
25)	L5 AR-1248-5	6.586	5.758	2276.2E6	1486.0E6	42397.765	39015.752
31)	L7 AR-1260-1	7.268	6.413	204.8E6	389.8E6	3486.616	7830.580m#
32)	L7 AR-1260-2	7.519	6.588	361.0E6	140.9E6	4400.150	2132.689 #
33)	L7 AR-1260-3	7.878	6.741	145.0E6	156.1E6	2204.937	2728.284
34)	L7 AR-1260-4	8.098	7.214	179.0E6	78496874	2739.580	1534.235 #
35)	L7 AR-1260-5	8.424	7.455	237.6E6	226.0E6	1738.478	1755.208

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

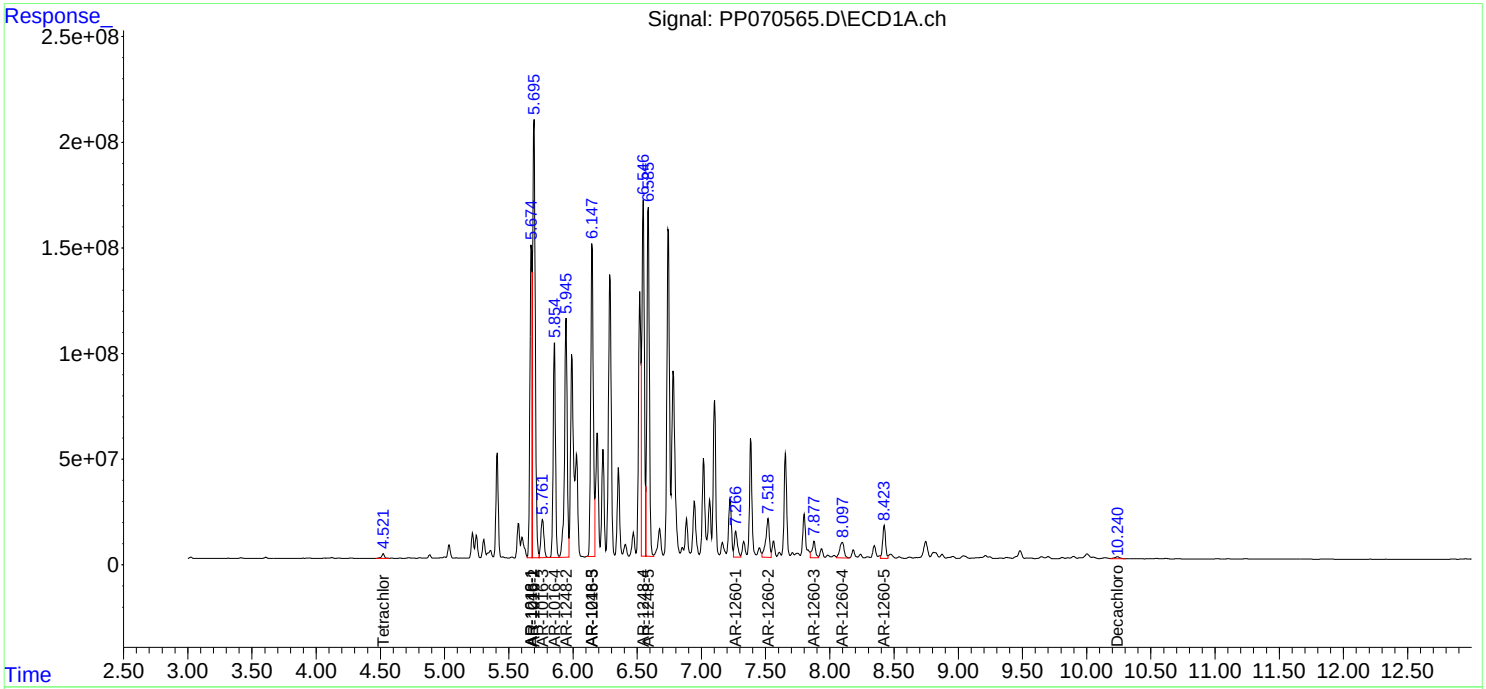
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP031425\
Data File : PP070565.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Mar 2025 03:45
Operator : YP\AJ
Sample : Q1572-06MSD
Misc :
ALS Vial : 47 Sample Multiplier: 1

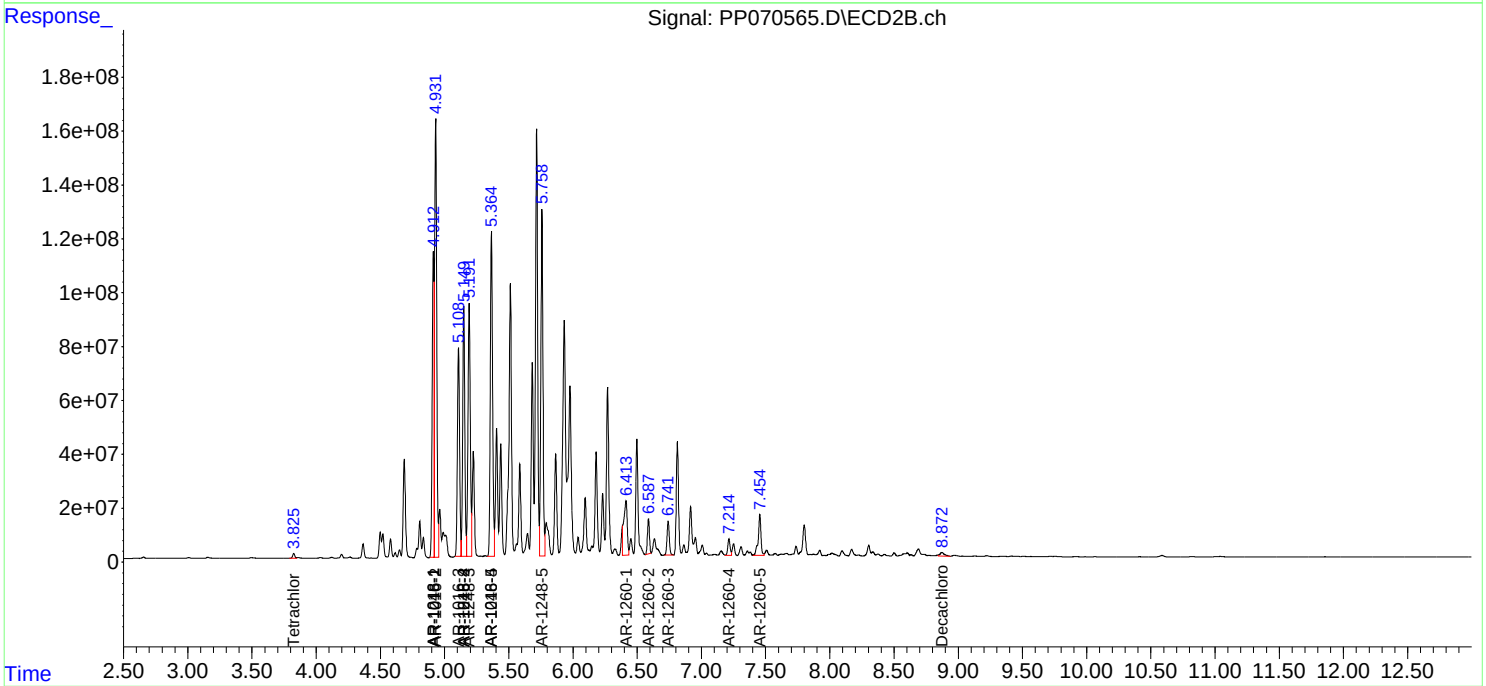
Instrument :
ECD_P
ClientSampleId :
C0O18MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/17/2025
Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 15 04:30:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP031125.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Mar 12 02:42:43 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	PO022025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PO109437.D	AR-1242-5	yogesh	2/21/2025 8:09:35 AM	Ankita	2/21/2025 9:30:25	Peak Integrated by Software
AR1242ICC050	PO109437.D	AR-1242-5 #2	yogesh	2/21/2025 8:09:35 AM	Ankita	2/21/2025 9:30:25	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-4	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-4 #2	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-5	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1248ICC050	PO109442.D	AR-1248-5 #2	yogesh	2/21/2025 8:09:37 AM	Ankita	2/21/2025 9:30:26	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-1	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-1 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-2 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-3	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-3 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	AR-1254-4	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO022025	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PO109447.D	AR-1254-4 #2	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software
AR1254ICC050	PO109447.D	Tetrachloro-m-xylene	yogesh	2/21/2025 8:09:39 AM	Ankita	2/21/2025 9:30:28	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO031725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1574-01	PO109929.D	Decachlorobiphenyl	yogesh	3/18/2025 7:42:53 AM	mohammad	3/19/2025 6:43:23	Peak Integrated by Software
Q1574-01	PO109929.D	Decachlorobiphenyl #2	yogesh	3/18/2025 7:42:53 AM	mohammad	3/19/2025 6:43:23	Peak Integrated by Software
Q1574-01	PO109929.D	Tetrachloro-m-xylene	yogesh	3/18/2025 7:42:53 AM	mohammad	3/19/2025 6:43:23	Peak Integrated by Software
Q1574-01	PO109929.D	Tetrachloro-m-xylene #2	yogesh	3/18/2025 7:42:53 AM	mohammad	3/19/2025 6:43:23	Peak Integrated by Software
Q1574-01DL	PO109930.D	Decachlorobiphenyl	yogesh	3/18/2025 7:42:55 AM	mohammad	3/19/2025 6:43:27	Peak Integrated by Software
Q1574-01DL	PO109930.D	Tetrachloro-m-xylene	yogesh	3/18/2025 7:42:55 AM	mohammad	3/19/2025 6:43:27	Peak Integrated by Software
Q1574-01DL	PO109930.D	Tetrachloro-m-xylene #2	yogesh	3/18/2025 7:42:55 AM	mohammad	3/19/2025 6:43:27	Peak Integrated by Software
AR1254CCC500	PO109953.D	AR-1254-1	yogesh	3/18/2025 7:43:10 AM	mohammad	3/19/2025 6:43:54	Peak Integrated by Software
AR1254CCC500	PO109953.D	AR-1254-1 #2	yogesh	3/18/2025 7:43:10 AM	mohammad	3/19/2025 6:43:54	Peak Integrated by Software
AR1254CCC500	PO109953.D	AR-1254-2	yogesh	3/18/2025 7:43:10 AM	mohammad	3/19/2025 6:43:54	Peak Integrated by Software
AR1254CCC500	PO109953.D	AR-1254-2 #2	yogesh	3/18/2025 7:43:10 AM	mohammad	3/19/2025 6:43:54	Peak Integrated by Software
AR1254CCC500	PO109960.D	AR-1254-1	yogesh	3/18/2025 7:43:16 AM	mohammad	3/19/2025 6:44:04	Peak Integrated by Software
AR1254CCC500	PO109960.D	AR-1254-1 #2	yogesh	3/18/2025 7:43:16 AM	mohammad	3/19/2025 6:44:04	Peak Integrated by Software

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Manual Integration Report

Sequence:	PO031725	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO109960.D	AR-1254-2	yogesh	3/18/2025 7:43:16 AM	mohammad	3/19/2025 6:44:04	Peak Integrated by Software
AR1254CCC500	PO109960.D	AR-1254-2 #2	yogesh	3/18/2025 7:43:16 AM	mohammad	3/19/2025 6:44:04	Peak Integrated by Software
AR1254CCC500	PO109960.D	Tetrachloro-m-xylene #2	yogesh	3/18/2025 7:43:16 AM	mohammad	3/19/2025 6:44:04	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp031125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PP070422.D	Decachlorobiphenyl #2	yogesh	3/12/2025 7:57:06 AM	Ankita	3/12/2025 10:45:04	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-1	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-2	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-3	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1016-4	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1260-4 #2	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1660ICC050	PP070423.D	AR-1260-5 #2	yogesh	3/12/2025 7:57:07 AM	Ankita	3/12/2025 10:45:06	Peak Integrated by Software
AR1232ICC250	PP070428.D	AR-1232-5	yogesh	3/12/2025 7:57:09 AM	Ankita	3/12/2025 10:45:07	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-1 #2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-2 #2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-3	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-4	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp031125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1232ICC050	PP070429.D	AR-1232-5	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1232ICC050	PP070429.D	AR-1232-5 #2	yogesh	3/19/2025 6:21:09 AM	mohammad	3/19/2025 6:54:14	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-1	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-1 #2	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-2	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-2 #2	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-3	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1242ICC050	PP070434.D	AR-1242-4	yogesh	3/12/2025 7:57:12 AM	Ankita	3/12/2025 10:45:18	Peak Integrated by Software
AR1248ICC050	PP070439.D	AR-1248-1	yogesh	3/12/2025 7:57:14 AM	Ankita	3/12/2025 10:45:19	Peak Integrated by Software
AR1248ICC050	PP070439.D	AR-1248-2	yogesh	3/12/2025 7:57:14 AM	Ankita	3/12/2025 10:45:19	Peak Integrated by Software
AR1268ICC050	PP070450.D	AR-1268-1 #2	yogesh	3/12/2025 7:57:15 AM	Ankita	3/12/2025 10:45:21	Peak Integrated by Software
AR1268ICC050	PP070450.D	AR-1268-2 #2	yogesh	3/12/2025 7:57:15 AM	Ankita	3/12/2025 10:45:21	Peak Integrated by Software
AR1268ICC050	PP070450.D	AR-1268-3 #2	yogesh	3/12/2025 7:57:15 AM	Ankita	3/12/2025 10:45:21	Peak Integrated by Software

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Manual Integration Report

Sequence:	pp031125	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP070465.D	AR-1242-5	yogesh	3/12/2025 7:57:17 AM	Ankita	3/12/2025 10:45:22	Peak Integrated by Software
AR1242CCC500	PP070465.D	AR-1242-5 #2	yogesh	3/12/2025 7:57:17 AM	Ankita	3/12/2025 10:45:22	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP070500.D	AR-1016-5 #2	yogesh	3/17/2025 8:23:24 AM	mohammad	3/19/2025 6:36:42	Peak Integrated by Software
AR1660CCC500	PP070500.D	AR-1260-1	yogesh	3/17/2025 8:23:24 AM	mohammad	3/19/2025 6:36:42	Peak Integrated by Software
AR1660CCC500	PP070500.D	AR-1260-2	yogesh	3/17/2025 8:23:24 AM	mohammad	3/19/2025 6:36:42	Peak Integrated by Software
AR1660CCC500	PP070515.D	AR-1016-5 #2	yogesh	3/17/2025 8:23:46 AM	mohammad	3/19/2025 6:37:16	Peak Integrated by Software
AR1660CCC500	PP070515.D	AR-1260-1	yogesh	3/17/2025 8:23:46 AM	mohammad	3/19/2025 6:37:16	Peak Integrated by Software
AR1242CCC500	PP070544.D	Decachlorobiphenyl	yogesh	3/17/2025 8:24:05 AM	mohammad	3/19/2025 6:37:57	Peak Integrated by Software
PB167143BS	PP070549.D	AR-1260-4	yogesh	3/17/2025 8:24:07 AM	mohammad	3/19/2025 6:38:01	Peak Integrated by Software
Q1572-06MS	PP070564.D	AR-1016-5	yogesh	3/17/2025 8:24:23 AM	mohammad	3/19/2025 6:38:38	Peak Integrated by Software
Q1572-06MS	PP070564.D	AR-1248-3	yogesh	3/17/2025 8:24:23 AM	mohammad	3/19/2025 6:38:38	Peak Integrated by Software
Q1572-06MS	PP070564.D	AR-1260-1 #2	yogesh	3/17/2025 8:24:23 AM	mohammad	3/19/2025 6:38:38	Peak Integrated by Software
Q1572-06MS	PP070564.D	Decachlorobiphenyl	yogesh	3/17/2025 8:24:23 AM	mohammad	3/19/2025 6:38:38	Peak Integrated by Software
Q1572-06MS	PP070564.D	Decachlorobiphenyl #2	yogesh	3/17/2025 8:24:23 AM	mohammad	3/19/2025 6:38:38	Peak Integrated by Software
Q1572-06MSD	PP070565.D	AR-1016-5	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software

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Manual Integration Report

Sequence:	PP031425	Instrument	ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1572-06MSD	PP070565.D	AR-1221-2	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software
Q1572-06MSD	PP070565.D	AR-1248-3	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software
Q1572-06MSD	PP070565.D	AR-1260-1 #2	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software
Q1572-06MSD	PP070565.D	Decachlorobiphenyl	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software
Q1572-06MSD	PP070565.D	Decachlorobiphenyl #2	yogesh	3/17/2025 8:24:24 AM	mohammad	3/19/2025 6:38:42	Peak Integrated by Software

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109424.D	20 Feb 2025 16:09	YP/AJ	Ok
2	I.BLK	PO109425.D	20 Feb 2025 16:28	YP/AJ	Ok
3	AR1660ICC1000	PO109426.D	20 Feb 2025 16:46	YP/AJ	Ok
4	AR1660ICC750	PO109427.D	20 Feb 2025 17:04	YP/AJ	Ok
5	AR1660ICC500	PO109428.D	20 Feb 2025 17:23	YP/AJ	Ok
6	AR1660ICC250	PO109429.D	20 Feb 2025 17:41	YP/AJ	Ok
7	AR1660ICC050	PO109430.D	20 Feb 2025 17:59	YP/AJ	Ok
8	AR1221ICC500	PO109431.D	20 Feb 2025 18:18	YP/AJ	Ok
9	AR1232ICC500	PO109432.D	20 Feb 2025 18:36	YP/AJ	Ok
10	AR1242ICC1000	PO109433.D	20 Feb 2025 18:55	YP/AJ	Ok
11	AR1242ICC750	PO109434.D	20 Feb 2025 19:13	YP/AJ	Ok
12	AR1242ICC500	PO109435.D	20 Feb 2025 19:31	YP/AJ	Ok
13	AR1242ICC250	PO109436.D	20 Feb 2025 19:50	YP/AJ	Ok
14	AR1242ICC050	PO109437.D	20 Feb 2025 20:08	YP/AJ	Ok,M
15	AR1248ICC1000	PO109438.D	20 Feb 2025 20:26	YP/AJ	Ok
16	AR1248ICC750	PO109439.D	20 Feb 2025 20:45	YP/AJ	Ok
17	AR1248ICC500	PO109440.D	20 Feb 2025 21:03	YP/AJ	Ok
18	AR1248ICC250	PO109441.D	20 Feb 2025 21:21	YP/AJ	Ok
19	AR1248ICC050	PO109442.D	20 Feb 2025 21:40	YP/AJ	Ok,M
20	AR1254ICC1000	PO109443.D	20 Feb 2025 21:58	YP/AJ	Ok
21	AR1254ICC750	PO109444.D	20 Feb 2025 22:17	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1254ICC500	PO109445.D	20 Feb 2025 22:35	YP/AJ	Ok
23	AR1254ICC250	PO109446.D	20 Feb 2025 22:53	YP/AJ	Ok
24	AR1254ICC050	PO109447.D	20 Feb 2025 23:12	YP/AJ	Ok,M
25	AR1262ICC500	PO109448.D	20 Feb 2025 23:30	YP/AJ	Ok
26	AR1268ICC1000	PO109449.D	20 Feb 2025 23:48	YP/AJ	Ok
27	AR1268ICC750	PO109450.D	21 Feb 2025 00:07	YP/AJ	Ok
28	AR1268ICC500	PO109451.D	21 Feb 2025 00:25	YP/AJ	Ok
29	AR1268ICC250	PO109452.D	21 Feb 2025 00:43	YP/AJ	Ok
30	AR1268ICC050	PO109453.D	21 Feb 2025 01:02	YP/AJ	Ok
31	PO022025ICV500	PO109454.D	21 Feb 2025 01:20	YP/AJ	Ok
32	AR1242ICV500	PO109455.D	21 Feb 2025 01:38	YP/AJ	Ok
33	AR1248ICV500	PO109456.D	21 Feb 2025 01:57	YP/AJ	Ok
34	AR1254ICV500	PO109457.D	21 Feb 2025 02:15	YP/AJ	Ok
35	AR1268ICV500	PO109458.D	21 Feb 2025 02:34	YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031725

Review By	yogesh	Review On	3/17/2025 11:37:36 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:44:23 AM		
SubDirectory	PO031725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO109922.D	17 Mar 2025 08:55	YP/AJ	Ok
2	AR1660CCC500	PO109923.D	17 Mar 2025 09:13	YP/AJ	Ok
3	AR1242CCC500	PO109924.D	17 Mar 2025 09:31	YP/AJ	Ok
4	AR1248CCC500	PO109925.D	17 Mar 2025 09:49	YP/AJ	Ok
5	AR1254CCC500	PO109926.D	17 Mar 2025 10:07	YP/AJ	Ok
6	I.BLK	PO109927.D	17 Mar 2025 10:26	YP/AJ	Ok
7	PB167143BL	PO109928.D	17 Mar 2025 10:44	YP/AJ	Not Ok
8	Q1574-01	PO109929.D	17 Mar 2025 11:02	YP/AJ	Dilution
9	Q1574-01DL	PO109930.D	17 Mar 2025 11:20	YP/AJ	Ok,M
10	Q1572-10DL	PO109931.D	17 Mar 2025 13:08	YP/AJ	Ok
11	Q1572-11DL	PO109932.D	17 Mar 2025 13:27	YP/AJ	Ok,M
12	Q1572-12DL	PO109933.D	17 Mar 2025 13:45	YP/AJ	Dilution
13	Q1572-12DL2	PO109934.D	17 Mar 2025 14:03	YP/AJ	Not Ok
14	AR1660CCC500	PO109935.D	17 Mar 2025 16:28	YP/AJ	Ok
15	AR1242CCC500	PO109936.D	17 Mar 2025 16:47	YP/AJ	Ok
16	AR1248CCC500	PO109937.D	17 Mar 2025 17:06	YP/AJ	Ok
17	AR1254CCC500	PO109938.D	17 Mar 2025 17:24	YP/AJ	Ok
18	I.BLK	PO109939.D	17 Mar 2025 17:42	YP/AJ	Ok
19	PB167173BL	PO109940.D	17 Mar 2025 18:01	YP/AJ	Ok
20	PB167173BS	PO109941.D	17 Mar 2025 18:19	YP/AJ	Ok
21	Q1589-01	PO109942.D	17 Mar 2025 18:38	YP/AJ	Ok,M

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031725

Review By	yogesh	Review On	3/17/2025 11:37:36 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:44:23 AM		
SubDirectory	PO031725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1589-02	PO109943.D	17 Mar 2025 18:55	YP/AJ	Ok
23	Q1589-03	PO109944.D	17 Mar 2025 19:13	YP/AJ	Ok,M
24	Q1589-04	PO109945.D	17 Mar 2025 19:32	YP/AJ	Ok
25	Q1589-05	PO109946.D	17 Mar 2025 19:50	YP/AJ	Ok,M
26	Q1589-06	PO109947.D	17 Mar 2025 20:08	YP/AJ	Ok
27	Q1589-07	PO109948.D	17 Mar 2025 20:27	YP/AJ	Ok,M
28	Q1589-08	PO109949.D	17 Mar 2025 20:45	YP/AJ	Ok,M
29	AR1660CCC500	PO109950.D	17 Mar 2025 22:43	YP/AJ	Ok
30	AR1242CCC500	PO109951.D	17 Mar 2025 23:38	YP/AJ	Ok
31	AR1248CCC500	PO109952.D	17 Mar 2025 23:57	YP/AJ	Ok
32	AR1254CCC500	PO109953.D	18 Mar 2025 00:15	YP/AJ	Ok,M
33	I.BLK	PO109954.D	18 Mar 2025 00:33	YP/AJ	Ok
34	Q1589-09	PO109955.D	18 Mar 2025 00:52	YP/AJ	Ok,M
35	Q1589-10	PO109956.D	18 Mar 2025 01:10	YP/AJ	Ok,M
36	AR1660CCC500	PO109957.D	18 Mar 2025 03:07	YP/AJ	Ok
37	AR1242CCC500	PO109958.D	18 Mar 2025 04:03	YP/AJ	Ok
38	AR1248CCC500	PO109959.D	18 Mar 2025 04:21	YP/AJ	Ok
39	AR1254CCC500	PO109960.D	18 Mar 2025 04:39	YP/AJ	Ok,M
40	I.BLK	PO109961.D	18 Mar 2025 04:58	YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070417.D	11 Mar 2025 14:41	YP\AJ	Ok
2	I.BLK	PP070418.D	11 Mar 2025 14:57	YP\AJ	Ok
3	AR1660ICC1000	PP070419.D	11 Mar 2025 15:13	YP\AJ	Ok
4	AR1660ICC750	PP070420.D	11 Mar 2025 15:29	YP\AJ	Ok
5	AR1660ICC500	PP070421.D	11 Mar 2025 15:46	YP\AJ	Ok
6	AR1660ICC250	PP070422.D	11 Mar 2025 16:02	YP\AJ	Ok,M
7	AR1660ICC050	PP070423.D	11 Mar 2025 16:18	YP\AJ	Ok,M
8	AR1221ICC500	PP070424.D	11 Mar 2025 16:34	YP\AJ	Ok
9	AR1232ICC1000	PP070425.D	11 Mar 2025 16:51	YP\AJ	Ok
10	AR1232ICC750	PP070426.D	11 Mar 2025 17:07	YP\AJ	Ok
11	AR1232ICC500	PP070427.D	11 Mar 2025 17:23	YP\AJ	Ok
12	AR1232ICC250	PP070428.D	11 Mar 2025 17:40	YP\AJ	Ok,M
13	AR1232ICC050	PP070429.D	11 Mar 2025 17:56	YP\AJ	Ok,M
14	AR1242ICC1000	PP070430.D	11 Mar 2025 18:12	YP\AJ	Ok
15	AR1242ICC750	PP070431.D	11 Mar 2025 18:28	YP\AJ	Ok
16	AR1242ICC500	PP070432.D	11 Mar 2025 18:45	YP\AJ	Ok
17	AR1242ICC250	PP070433.D	11 Mar 2025 19:01	YP\AJ	Ok
18	AR1242ICC050	PP070434.D	11 Mar 2025 19:17	YP\AJ	Ok,M
19	AR1248ICC1000	PP070435.D	11 Mar 2025 19:34	YP\AJ	Ok
20	AR1248ICC750	PP070436.D	11 Mar 2025 19:50	YP\AJ	Ok
21	AR1248ICC500	PP070437.D	11 Mar 2025 20:06	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	AR1248ICC250	PP070438.D	11 Mar 2025 20:22	YP\AJ	Ok
23	AR1248ICC050	PP070439.D	11 Mar 2025 20:39	YP\AJ	Ok,M
24	AR1254ICC1000	PP070440.D	11 Mar 2025 20:55	YP\AJ	Ok
25	AR1254ICC750	PP070441.D	11 Mar 2025 21:11	YP\AJ	Ok
26	AR1254ICC500	PP070442.D	11 Mar 2025 21:28	YP\AJ	Ok
27	AR1254ICC250	PP070443.D	11 Mar 2025 21:44	YP\AJ	Ok
28	AR1254ICC050	PP070444.D	11 Mar 2025 22:00	YP\AJ	Ok
29	AR1262ICC500	PP070445.D	11 Mar 2025 22:16	YP\AJ	Ok
30	AR1268ICC1000	PP070446.D	11 Mar 2025 22:33	YP\AJ	Ok
31	AR1268ICC750	PP070447.D	11 Mar 2025 22:49	YP\AJ	Ok
32	AR1268ICC500	PP070448.D	11 Mar 2025 23:05	YP\AJ	Ok
33	AR1268ICC250	PP070449.D	11 Mar 2025 23:22	YP\AJ	Ok
34	AR1268ICC050	PP070450.D	11 Mar 2025 23:38	YP\AJ	Ok,M
35	PP031125ICV500	PP070451.D	11 Mar 2025 23:54	YP\AJ	Ok
36	AR1232ICV500	PP070452.D	12 Mar 2025 00:10	YP\AJ	Ok
37	AR1242ICV500	PP070453.D	12 Mar 2025 00:27	YP\AJ	Ok
38	AR1248ICV500	PP070454.D	12 Mar 2025 00:43	YP\AJ	Ok
39	AR1254ICV500	PP070455.D	12 Mar 2025 00:59	YP\AJ	Ok
40	AR1268ICV500	PP070456.D	12 Mar 2025 01:16	YP\AJ	Ok
41	AR1660CCC500	PP070457.D	12 Mar 2025 01:32	YP\AJ	Ok
42	AR1232CCC500	PP070458.D	12 Mar 2025 01:48	YP\AJ	Ok
43	AR1242CCC500	PP070459.D	12 Mar 2025 02:04	YP\AJ	Ok
44	I.BLK	PP070460.D	12 Mar 2025 02:21	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	PB167066BL	PP070461.D	12 Mar 2025 02:37	YP\AJ	Ok
46	Q1502-15	PP070462.D	12 Mar 2025 02:53	YP\AJ	Ok
47	AR1660CCC500	PP070463.D	12 Mar 2025 03:09	YP\AJ	Ok
48	AR1232CCC500	PP070464.D	12 Mar 2025 03:26	YP\AJ	Ok
49	AR1242CCC500	PP070465.D	12 Mar 2025 03:42	YP\AJ	Ok,M
50	I.BLK	PP070466.D	12 Mar 2025 03:58	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070499.D	14 Mar 2025 07:42	YP\AJ	Ok
2	AR1660CCC500	PP070500.D	14 Mar 2025 07:58	YP\AJ	Ok,M
3	AR1242CCC500	PP070501.D	14 Mar 2025 08:14	YP\AJ	Ok
4	AR1248CCC500	PP070502.D	14 Mar 2025 08:31	YP\AJ	Ok
5	AR1254CCC500	PP070503.D	14 Mar 2025 08:47	YP\AJ	Ok
6	I.BLK	PP070504.D	14 Mar 2025 09:03	YP\AJ	Ok
7	PB167130BL	PP070505.D	14 Mar 2025 09:21	YP\AJ	Ok
8	PB167130BS	PP070506.D	14 Mar 2025 09:37	YP\AJ	Ok
9	Q1562-01	PP070507.D	14 Mar 2025 09:53	YP\AJ	Ok,M
10	Q1562-02	PP070508.D	14 Mar 2025 10:09	YP\AJ	Ok,M
11	Q1562-03	PP070509.D	14 Mar 2025 10:26	YP\AJ	Ok,M
12	Q1562-04	PP070510.D	14 Mar 2025 10:42	YP\AJ	Ok,M
13	Q1562-05	PP070511.D	14 Mar 2025 10:58	YP\AJ	Ok,M
14	Q1562-06	PP070512.D	14 Mar 2025 11:14	YP\AJ	Ok,M
15	Q1562-07	PP070513.D	14 Mar 2025 11:31	YP\AJ	Ok,M
16	Q1562-08	PP070514.D	14 Mar 2025 11:47	YP\AJ	Ok,M
17	AR1660CCC500	PP070515.D	14 Mar 2025 12:36	YP\AJ	Ok,M
18	AR1242CCC500	PP070516.D	14 Mar 2025 12:52	YP\AJ	Ok
19	AR1248CCC500	PP070517.D	14 Mar 2025 13:08	YP\AJ	Ok
20	AR1254CCC500	PP070518.D	14 Mar 2025 13:24	YP\AJ	Ok
21	I.BLK	PP070519.D	14 Mar 2025 13:41	YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1564-04	PP070520.D	14 Mar 2025 13:57	YP\AJ	Ok,M
23	Q1564-05	PP070521.D	14 Mar 2025 14:13	YP\AJ	Ok,M
24	Q1564-06	PP070522.D	14 Mar 2025 14:29	YP\AJ	Ok,M
25	Q1564-01	PP070523.D	14 Mar 2025 14:45	YP\AJ	Ok,M
26	Q1564-02	PP070524.D	14 Mar 2025 15:02	YP\AJ	Ok,M
27	Q1564-03	PP070525.D	14 Mar 2025 15:18	YP\AJ	Ok,M
28	PB167139BL	PP070526.D	14 Mar 2025 15:34	YP\AJ	Ok
29	PB167139BS	PP070527.D	14 Mar 2025 15:50	YP\AJ	Ok
30	PB167139BSD	PP070528.D	14 Mar 2025 16:06	YP\AJ	Ok
31	AR1660CCC500	PP070529.D	14 Mar 2025 16:55	YP\AJ	Ok
32	AR1242CCC500	PP070530.D	14 Mar 2025 17:11	YP\AJ	Ok
33	AR1248CCC500	PP070531.D	14 Mar 2025 17:28	YP\AJ	Ok
34	AR1254CCC500	PP070532.D	14 Mar 2025 17:44	YP\AJ	Ok
35	I.BLK	PP070533.D	14 Mar 2025 18:00	YP\AJ	Ok
36	Q1553-03	PP070534.D	14 Mar 2025 18:16	YP\AJ	Ok,M
37	Q1563-01	PP070535.D	14 Mar 2025 18:33	YP\AJ	Ok
38	Q1563-02	PP070536.D	14 Mar 2025 18:49	YP\AJ	Ok,M
39	PB167136BL	PP070537.D	14 Mar 2025 19:05	YP\AJ	Ok
40	PB167136BS	PP070538.D	14 Mar 2025 19:21	YP\AJ	Ok
41	Q1566-01	PP070539.D	14 Mar 2025 19:38	YP\AJ	Ok
42	Q1568-01	PP070540.D	14 Mar 2025 19:54	YP\AJ	Ok
43	Q1568-01MS	PP070541.D	14 Mar 2025 20:10	YP\AJ	Ok
44	Q1568-01MSD	PP070542.D	14 Mar 2025 20:26	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	AR1660CCC500	PP070543.D	14 Mar 2025 21:15	YP\AJ	Ok
46	AR1242CCC500	PP070544.D	14 Mar 2025 21:31	YP\AJ	Ok,M
47	AR1248CCC500	PP070545.D	14 Mar 2025 21:48	YP\AJ	Ok
48	AR1254CCC500	PP070546.D	14 Mar 2025 22:04	YP\AJ	Ok
49	I.BLK	PP070547.D	14 Mar 2025 22:20	YP\AJ	Ok
50	PB167143BL	PP070548.D	14 Mar 2025 22:36	YP\AJ	Ok
51	PB167143BS	PP070549.D	14 Mar 2025 22:52	YP\AJ	Ok,M
52	Q1569-01	PP070550.D	14 Mar 2025 23:09	YP\AJ	Ok
53	Q1569-04	PP070551.D	14 Mar 2025 23:25	YP\AJ	Ok,M
54	Q1572-01	PP070552.D	14 Mar 2025 23:41	YP\AJ	Dilution
55	Q1572-02	PP070553.D	14 Mar 2025 23:57	YP\AJ	Dilution
56	Q1572-03	PP070554.D	15 Mar 2025 00:14	YP\AJ	Dilution
57	Q1572-04	PP070555.D	15 Mar 2025 00:30	YP\AJ	Dilution
58	Q1572-05	PP070556.D	15 Mar 2025 00:46	YP\AJ	Dilution
59	Q1572-07	PP070557.D	15 Mar 2025 01:02	YP\AJ	Dilution
60	AR1660CCC500	PP070558.D	15 Mar 2025 01:51	YP\AJ	Ok
61	AR1242CCC500	PP070559.D	15 Mar 2025 02:07	YP\AJ	Ok
62	AR1248CCC500	PP070560.D	15 Mar 2025 02:24	YP\AJ	Ok
63	AR1254CCC500	PP070561.D	15 Mar 2025 02:40	YP\AJ	Ok
64	I.BLK	PP070562.D	15 Mar 2025 02:56	YP\AJ	Ok
65	Q1572-06	PP070563.D	15 Mar 2025 03:12	YP\AJ	Dilution
66	Q1572-06MS	PP070564.D	15 Mar 2025 03:29	YP\AJ	Ok,M
67	Q1572-06MSD	PP070565.D	15 Mar 2025 03:45	YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750 ,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP2376 5,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

68	Q1572-08	PP070566.D	15 Mar 2025 04:01	YP\AJ	Dilution
69	Q1572-09	PP070567.D	15 Mar 2025 04:17	YP\AJ	Dilution
70	AR1660CCC500	PP070568.D	15 Mar 2025 05:06	YP\AJ	Ok
71	AR1242CCC500	PP070569.D	15 Mar 2025 05:22	YP\AJ	Ok
72	AR1248CCC500	PP070570.D	15 Mar 2025 05:39	YP\AJ	Ok
73	AR1254CCC500	PP070571.D	15 Mar 2025 05:55	YP\AJ	Ok
74	I.BLK	PP070572.D	15 Mar 2025 06:11	YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109424.D	20 Feb 2025 16:09		YP/AJ	Ok
2	I.BLK	I.BLK	PO109425.D	20 Feb 2025 16:28		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO109426.D	20 Feb 2025 16:46		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO109427.D	20 Feb 2025 17:04		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO109428.D	20 Feb 2025 17:23		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO109429.D	20 Feb 2025 17:41		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO109430.D	20 Feb 2025 17:59		YP/AJ	Ok
8	AR1221ICC500	AR1221ICC500	PO109431.D	20 Feb 2025 18:18		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO109432.D	20 Feb 2025 18:36		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO109433.D	20 Feb 2025 18:55		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO109434.D	20 Feb 2025 19:13		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO109435.D	20 Feb 2025 19:31		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO109436.D	20 Feb 2025 19:50		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO109437.D	20 Feb 2025 20:08		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO109438.D	20 Feb 2025 20:26		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO109439.D	20 Feb 2025 20:45		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO109440.D	20 Feb 2025 21:03		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO109441.D	20 Feb 2025 21:21		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO022025

Review By	yogesh	Review On	2/21/2025 8:09:53 AM		
Supervise By	Ankita	Supervise On	2/21/2025 9:30:37 AM		
SubDirectory	PO022025	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC050	AR1248ICC050	PO109442.D	20 Feb 2025 21:40		YP/AJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PO109443.D	20 Feb 2025 21:58		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO109444.D	20 Feb 2025 22:17		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO109445.D	20 Feb 2025 22:35		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO109446.D	20 Feb 2025 22:53		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO109447.D	20 Feb 2025 23:12		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO109448.D	20 Feb 2025 23:30		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO109449.D	20 Feb 2025 23:48		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO109450.D	21 Feb 2025 00:07		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO109451.D	21 Feb 2025 00:25		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO109452.D	21 Feb 2025 00:43		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO109453.D	21 Feb 2025 01:02		YP/AJ	Ok
31	PO022025ICV500	ICVPO022025	PO109454.D	21 Feb 2025 01:20		YP/AJ	Ok
32	AR1242ICV500	ICVPO022025AR1242	PO109455.D	21 Feb 2025 01:38		YP/AJ	Ok
33	AR1248ICV500	ICVPO022025AR1248	PO109456.D	21 Feb 2025 01:57		YP/AJ	Ok
34	AR1254ICV500	ICVPO022025AR1254	PO109457.D	21 Feb 2025 02:15		YP/AJ	Ok
35	AR1268ICV500	ICVPO022025AR1268	PO109458.D	21 Feb 2025 02:34		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031725

Review By	yogesh	Review On	3/17/2025 11:37:36 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:44:23 AM		
SubDirectory	PO031725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO109922.D	17 Mar 2025 08:55		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO109923.D	17 Mar 2025 09:13		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO109924.D	17 Mar 2025 09:31		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO109925.D	17 Mar 2025 09:49		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO109926.D	17 Mar 2025 10:07		YP/AJ	Ok
6	I.BLK	I.BLK	PO109927.D	17 Mar 2025 10:26		YP/AJ	Ok
7	PB167143BL	PB167143BL	PO109928.D	17 Mar 2025 10:44		YP/AJ	Not Ok
8	Q1574-01	WC1	PO109929.D	17 Mar 2025 11:02	AR1254, Need 5X Dilution	YP/AJ	Dilution
9	Q1574-01DL	WC1DL	PO109930.D	17 Mar 2025 11:20	AR1254 hit	YP/AJ	Ok,M
10	Q1572-10DL	C0O22DL	PO109931.D	17 Mar 2025 13:08	AR1248 Hit	YP/AJ	Ok
11	Q1572-11DL	C0O23DL	PO109932.D	17 Mar 2025 13:27	AR1248 Hit, DCB high in both column,	YP/AJ	Ok,M
12	Q1572-12DL	C0O24DL	PO109933.D	17 Mar 2025 13:45	AR1248 + AR1260 Hit, Need furhter 10x Dilution	YP/AJ	Dilution
13	Q1572-12DL2	C0O24DL2	PO109934.D	17 Mar 2025 14:03	AR1248 + AR1260 Hit, Need more Dilution	YP/AJ	Not Ok
14	AR1660CCC500	AR1660CCC500	PO109935.D	17 Mar 2025 16:28		YP/AJ	Ok
15	AR1242CCC500	AR1242CCC500	PO109936.D	17 Mar 2025 16:47		YP/AJ	Ok
16	AR1248CCC500	AR1248CCC500	PO109937.D	17 Mar 2025 17:06		YP/AJ	Ok
17	AR1254CCC500	AR1254CCC500	PO109938.D	17 Mar 2025 17:24		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031725

Review By	yogesh	Review On	3/17/2025 11:37:36 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:44:23 AM		
SubDirectory	PO031725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	I.BLK	I.BLK	PO109939.D	17 Mar 2025 17:42		YP/AJ	Ok
19	PB167173BL	PB167173BL	PO109940.D	17 Mar 2025 18:01		YP/AJ	Ok
20	PB167173BS	PB167173BS	PO109941.D	17 Mar 2025 18:19		YP/AJ	Ok
21	Q1589-01	KMH809G-1-1	PO109942.D	17 Mar 2025 18:38		YP/AJ	Ok,M
22	Q1589-02	KMH809G-1-2	PO109943.D	17 Mar 2025 18:55		YP/AJ	Ok
23	Q1589-03	KMH809G-2-1	PO109944.D	17 Mar 2025 19:13		YP/AJ	Ok,M
24	Q1589-04	KMH809G-2-2	PO109945.D	17 Mar 2025 19:32		YP/AJ	Ok
25	Q1589-05	0036-1-1	PO109946.D	17 Mar 2025 19:50		YP/AJ	Ok,M
26	Q1589-06	0036-1-2	PO109947.D	17 Mar 2025 20:08		YP/AJ	Ok
27	Q1589-07	9040-1-1	PO109948.D	17 Mar 2025 20:27		YP/AJ	Ok,M
28	Q1589-08	9040-1-2	PO109949.D	17 Mar 2025 20:45		YP/AJ	Ok,M
29	AR1660CCC500	AR1660CCC500	PO109950.D	17 Mar 2025 22:43		YP/AJ	Ok
30	AR1242CCC500	AR1242CCC500	PO109951.D	17 Mar 2025 23:38		YP/AJ	Ok
31	AR1248CCC500	AR1248CCC500	PO109952.D	17 Mar 2025 23:57		YP/AJ	Ok
32	AR1254CCC500	AR1254CCC500	PO109953.D	18 Mar 2025 00:15		YP/AJ	Ok,M
33	I.BLK	I.BLK	PO109954.D	18 Mar 2025 00:33		YP/AJ	Ok
34	Q1589-09	HIH340T-1-1	PO109955.D	18 Mar 2025 00:52	AR1254 Hit	YP/AJ	Ok,M
35	Q1589-10	HIH340T-1-2	PO109956.D	18 Mar 2025 01:10	AR1254 Hit	YP/AJ	Ok,M
36	AR1660CCC500	AR1660CCC500	PO109957.D	18 Mar 2025 03:07		YP/AJ	Ok

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO031725

Review By	yogesh	Review On	3/17/2025 11:37:36 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:44:23 AM		
SubDirectory	PO031725	HP Acquire Method		HP Processing Method	PO022025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	AR1242CCC500	AR1242CCC500	PO109958.D	18 Mar 2025 04:03		YP/AJ	Ok
38	AR1248CCC500	AR1248CCC500	PO109959.D	18 Mar 2025 04:21		YP/AJ	Ok
39	AR1254CCC500	AR1254CCC500	PO109960.D	18 Mar 2025 04:39		YP/AJ	Ok,M
40	I.BLK	I.BLK	PO109961.D	18 Mar 2025 04:58		YP/AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070417.D	11 Mar 2025 14:41		YP\AJ	Ok
2	I.BLK	I.BLK	PP070418.D	11 Mar 2025 14:57		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP070419.D	11 Mar 2025 15:13		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP070420.D	11 Mar 2025 15:29		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP070421.D	11 Mar 2025 15:46		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP070422.D	11 Mar 2025 16:02		YP\AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PP070423.D	11 Mar 2025 16:18		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP070424.D	11 Mar 2025 16:34		YP\AJ	Ok
9	AR1232ICC1000	AR1232ICC1000	PP070425.D	11 Mar 2025 16:51		YP\AJ	Ok
10	AR1232ICC750	AR1232ICC750	PP070426.D	11 Mar 2025 17:07		YP\AJ	Ok
11	AR1232ICC500	AR1232ICC500	PP070427.D	11 Mar 2025 17:23		YP\AJ	Ok
12	AR1232ICC250	AR1232ICC250	PP070428.D	11 Mar 2025 17:40		YP\AJ	Ok,M
13	AR1232ICC050	AR1232ICC050	PP070429.D	11 Mar 2025 17:56		YP\AJ	Ok,M
14	AR1242ICC1000	AR1242ICC1000	PP070430.D	11 Mar 2025 18:12		YP\AJ	Ok
15	AR1242ICC750	AR1242ICC750	PP070431.D	11 Mar 2025 18:28		YP\AJ	Ok
16	AR1242ICC500	AR1242ICC500	PP070432.D	11 Mar 2025 18:45		YP\AJ	Ok
17	AR1242ICC250	AR1242ICC250	PP070433.D	11 Mar 2025 19:01		YP\AJ	Ok
18	AR1242ICC050	AR1242ICC050	PP070434.D	11 Mar 2025 19:17		YP\AJ	Ok,M

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248ICC1000	AR1248ICC1000	PP070435.D	11 Mar 2025 19:34		YP\AJ	Ok
20	AR1248ICC750	AR1248ICC750	PP070436.D	11 Mar 2025 19:50		YP\AJ	Ok
21	AR1248ICC500	AR1248ICC500	PP070437.D	11 Mar 2025 20:06		YP\AJ	Ok
22	AR1248ICC250	AR1248ICC250	PP070438.D	11 Mar 2025 20:22		YP\AJ	Ok
23	AR1248ICC050	AR1248ICC050	PP070439.D	11 Mar 2025 20:39		YP\AJ	Ok,M
24	AR1254ICC1000	AR1254ICC1000	PP070440.D	11 Mar 2025 20:55		YP\AJ	Ok
25	AR1254ICC750	AR1254ICC750	PP070441.D	11 Mar 2025 21:11		YP\AJ	Ok
26	AR1254ICC500	AR1254ICC500	PP070442.D	11 Mar 2025 21:28		YP\AJ	Ok
27	AR1254ICC250	AR1254ICC250	PP070443.D	11 Mar 2025 21:44		YP\AJ	Ok
28	AR1254ICC050	AR1254ICC050	PP070444.D	11 Mar 2025 22:00		YP\AJ	Ok
29	AR1262ICC500	AR1262ICC500	PP070445.D	11 Mar 2025 22:16		YP\AJ	Ok
30	AR1268ICC1000	AR1268ICC1000	PP070446.D	11 Mar 2025 22:33		YP\AJ	Ok
31	AR1268ICC750	AR1268ICC750	PP070447.D	11 Mar 2025 22:49		YP\AJ	Ok
32	AR1268ICC500	AR1268ICC500	PP070448.D	11 Mar 2025 23:05		YP\AJ	Ok
33	AR1268ICC250	AR1268ICC250	PP070449.D	11 Mar 2025 23:22		YP\AJ	Ok
34	AR1268ICC050	AR1268ICC050	PP070450.D	11 Mar 2025 23:38		YP\AJ	Ok,M
35	PP031125ICV500	ICVPP031125	PP070451.D	11 Mar 2025 23:54		YP\AJ	Ok
36	AR1232ICV500	ICVPP031125AR1232	PP070452.D	12 Mar 2025 00:10		YP\AJ	Ok
37	AR1242ICV500	ICVPP031125AR1242	PP070453.D	12 Mar 2025 00:27		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031125

Review By	yogesh	Review On	3/12/2025 7:57:33 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:54:29 AM		
SubDirectory	PP031125	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	AR1248ICV500	ICVPP031125AR1248	PP070454.D	12 Mar 2025 00:43		YP\AJ	Ok
39	AR1254ICV500	ICVPP031125AR1254	PP070455.D	12 Mar 2025 00:59		YP\AJ	Ok
40	AR1268ICV500	ICVPP031125AR1268	PP070456.D	12 Mar 2025 01:16		YP\AJ	Ok
41	AR1660CCC500	AR1660CCC500	PP070457.D	12 Mar 2025 01:32		YP\AJ	Ok
42	AR1232CCC500	AR1232CCC500	PP070458.D	12 Mar 2025 01:48		YP\AJ	Ok
43	AR1242CCC500	AR1242CCC500	PP070459.D	12 Mar 2025 02:04		YP\AJ	Ok
44	I.BLK	I.BLK	PP070460.D	12 Mar 2025 02:21		YP\AJ	Ok
45	PB167066BL	PB167066BL	PP070461.D	12 Mar 2025 02:37		YP\AJ	Ok
46	Q1502-15	PT-PCBW-WP	PP070462.D	12 Mar 2025 02:53	AR1232 HIT	YP\AJ	Ok
47	AR1660CCC500	AR1660CCC500	PP070463.D	12 Mar 2025 03:09		YP\AJ	Ok
48	AR1232CCC500	AR1232CCC500	PP070464.D	12 Mar 2025 03:26		YP\AJ	Ok
49	AR1242CCC500	AR1242CCC500	PP070465.D	12 Mar 2025 03:42		YP\AJ	Ok,M
50	I.BLK	I.BLK	PP070466.D	12 Mar 2025 03:58		YP\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070499.D	14 Mar 2025 07:42		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP070500.D	14 Mar 2025 07:58		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP070501.D	14 Mar 2025 08:14		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP070502.D	14 Mar 2025 08:31		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP070503.D	14 Mar 2025 08:47		YP\AJ	Ok
6	I.BLK	I.BLK	PP070504.D	14 Mar 2025 09:03		YP\AJ	Ok
7	PB167130BL	PB167130BL	PP070505.D	14 Mar 2025 09:21		YP\AJ	Ok
8	PB167130BS	PB167130BS	PP070506.D	14 Mar 2025 09:37		YP\AJ	Ok
9	Q1562-01	BC271227-1-1	PP070507.D	14 Mar 2025 09:53		YP\AJ	Ok,M
10	Q1562-02	BC271227-1-2	PP070508.D	14 Mar 2025 10:09		YP\AJ	Ok,M
11	Q1562-03	BC271227-2-1	PP070509.D	14 Mar 2025 10:26		YP\AJ	Ok,M
12	Q1562-04	BC271227-2-2	PP070510.D	14 Mar 2025 10:42		YP\AJ	Ok,M
13	Q1562-05	EFB643W-1-1	PP070511.D	14 Mar 2025 10:58		YP\AJ	Ok,M
14	Q1562-06	EFB643W-1-2	PP070512.D	14 Mar 2025 11:14		YP\AJ	Ok,M
15	Q1562-07	GHA524R-1-1	PP070513.D	14 Mar 2025 11:31		YP\AJ	Ok,M
16	Q1562-08	GHA524R-1-2	PP070514.D	14 Mar 2025 11:47		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP070515.D	14 Mar 2025 12:36		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP070516.D	14 Mar 2025 12:52		YP\AJ	Ok

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	AR1248CCC500	AR1248CCC500	PP070517.D	14 Mar 2025 13:08		YP\AJ	Ok
20	AR1254CCC500	AR1254CCC500	PP070518.D	14 Mar 2025 13:24		YP\AJ	Ok
21	I.BLK	I.BLK	PP070519.D	14 Mar 2025 13:41		YP\AJ	Ok
22	Q1564-04	BC258874-1-2	PP070520.D	14 Mar 2025 13:57		YP\AJ	Ok,M
23	Q1564-05	BC226751-1-1	PP070521.D	14 Mar 2025 14:13		YP\AJ	Ok,M
24	Q1564-06	BC226751-1-2	PP070522.D	14 Mar 2025 14:29		YP\AJ	Ok,M
25	Q1564-01	BC247799-1-1	PP070523.D	14 Mar 2025 14:45		YP\AJ	Ok,M
26	Q1564-02	BC247799-1-2	PP070524.D	14 Mar 2025 15:02		YP\AJ	Ok,M
27	Q1564-03	BC258874-1-1	PP070525.D	14 Mar 2025 15:18		YP\AJ	Ok,M
28	PB167139BL	PB167139BL	PP070526.D	14 Mar 2025 15:34		YP\AJ	Ok
29	PB167139BS	PB167139BS	PP070527.D	14 Mar 2025 15:50		YP\AJ	Ok
30	PB167139BSD	PB167139BSD	PP070528.D	14 Mar 2025 16:06		YP\AJ	Ok
31	AR1660CCC500	AR1660CCC500	PP070529.D	14 Mar 2025 16:55		YP\AJ	Ok
32	AR1242CCC500	AR1242CCC500	PP070530.D	14 Mar 2025 17:11		YP\AJ	Ok
33	AR1248CCC500	AR1248CCC500	PP070531.D	14 Mar 2025 17:28		YP\AJ	Ok
34	AR1254CCC500	AR1254CCC500	PP070532.D	14 Mar 2025 17:44		YP\AJ	Ok
35	I.BLK	I.BLK	PP070533.D	14 Mar 2025 18:00		YP\AJ	Ok
36	Q1553-03	FRAC-TANK-FMI120	PP070534.D	14 Mar 2025 18:16		YP\AJ	Ok,M
37	Q1563-01	437	PP070535.D	14 Mar 2025 18:33		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1563-02	FERNOT-WATER	PP070536.D	14 Mar 2025 18:49		YP\AJ	Ok,M
39	PB167136BL	PB167136BL	PP070537.D	14 Mar 2025 19:05		YP\AJ	Ok
40	PB167136BS	PB167136BS	PP070538.D	14 Mar 2025 19:21		YP\AJ	Ok
41	Q1566-01	CTWK-COMP	PP070539.D	14 Mar 2025 19:38		YP\AJ	Ok
42	Q1568-01	JC-03-03132025	PP070540.D	14 Mar 2025 19:54		YP\AJ	Ok
43	Q1568-01MS	JC-03-03132025MS	PP070541.D	14 Mar 2025 20:10		YP\AJ	Ok
44	Q1568-01MSD	JC-03-03132025MSD	PP070542.D	14 Mar 2025 20:26		YP\AJ	Ok,M
45	AR1660CCC500	AR1660CCC500	PP070543.D	14 Mar 2025 21:15		YP\AJ	Ok
46	AR1242CCC500	AR1242CCC500	PP070544.D	14 Mar 2025 21:31		YP\AJ	Ok,M
47	AR1248CCC500	AR1248CCC500	PP070545.D	14 Mar 2025 21:48		YP\AJ	Ok
48	AR1254CCC500	AR1254CCC500	PP070546.D	14 Mar 2025 22:04		YP\AJ	Ok
49	I.BLK	I.BLK	PP070547.D	14 Mar 2025 22:20		YP\AJ	Ok
50	PB167143BL	PB167143BL	PP070548.D	14 Mar 2025 22:36		YP\AJ	Ok
51	PB167143BS	PB167143BS	PP070549.D	14 Mar 2025 22:52		YP\AJ	Ok,M
52	Q1569-01	TAP-IDW-SOIL-031325	PP070550.D	14 Mar 2025 23:09		YP\AJ	Ok
53	Q1569-04	TAP-IDW-SOIL-031325	PP070551.D	14 Mar 2025 23:25		YP\AJ	Ok,M
54	Q1572-01	C0AC9	PP070552.D	14 Mar 2025 23:41	DCB high in 2nd column , AR1260 AR1248 Hit , Need dilution 10X,50X	YP\AJ	Dilution
55	Q1572-02	C0O14	PP070553.D	14 Mar 2025 23:57	AR1260 AR1248 Hit , Need dilution 10X,50X	YP\AJ	Dilution

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Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

56	Q1572-03	C0O15	PP070554.D	15 Mar 2025 00:14	AR1260 AR1248 Hit , Need dilution 5X,25X	YP\AJ	Dilution
57	Q1572-04	C0O16	PP070555.D	15 Mar 2025 00:30	DCB high in 2nd column , AR1260 AR1248 Hit , Need dilution 5X,50X	YP\AJ	Dilution
58	Q1572-05	C0O17	PP070556.D	15 Mar 2025 00:46	DCB high in 2nd column , AR1260 AR1248 Hit , Need dilution 10X,100X	YP\AJ	Dilution
59	Q1572-07	C0O19	PP070557.D	15 Mar 2025 01:02	AR1260 AR1248 Hit , Need dilution 10X	YP\AJ	Dilution
60	AR1660CCC500	AR1660CCC500	PP070558.D	15 Mar 2025 01:51		YP\AJ	Ok
61	AR1242CCC500	AR1242CCC500	PP070559.D	15 Mar 2025 02:07		YP\AJ	Ok
62	AR1248CCC500	AR1248CCC500	PP070560.D	15 Mar 2025 02:24		YP\AJ	Ok
63	AR1254CCC500	AR1254CCC500	PP070561.D	15 Mar 2025 02:40		YP\AJ	Ok
64	I.BLK	I.BLK	PP070562.D	15 Mar 2025 02:56		YP\AJ	Ok
65	Q1572-06	C0O18	PP070563.D	15 Mar 2025 03:12	AR1260 AR1248 Hit , Need dilution 5X,50X	YP\AJ	Dilution
66	Q1572-06MS	C0O18MS	PP070564.D	15 Mar 2025 03:29	AR1016 and AR1260 Recovery fail	YP\AJ	Ok,M
67	Q1572-06MSD	C0O18MSD	PP070565.D	15 Mar 2025 03:45	AR1016 and AR1260 Recovery fail	YP\AJ	Ok,M
68	Q1572-08	C0O20	PP070566.D	15 Mar 2025 04:01	DCB high in 2nd column , AR1248 Hit ,Need dilution 10X	YP\AJ	Dilution
69	Q1572-09	C0O21	PP070567.D	15 Mar 2025 04:17	AR1248 Hit , Need dilution 50X	YP\AJ	Dilution
70	AR1660CCC500	AR1660CCC500	PP070568.D	15 Mar 2025 05:06		YP\AJ	Ok
71	AR1242CCC500	AR1242CCC500	PP070569.D	15 Mar 2025 05:22		YP\AJ	Ok

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Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP031425

Review By	yogesh	Review On	3/17/2025 8:24:56 AM		
Supervise By	mohammad	Supervise On	3/19/2025 6:39:12 AM		
SubDirectory	PP031425	HP Acquire Method		HP Processing Method	PP031125

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

72	AR1248CCC500	AR1248CCC500	PP070570.D	15 Mar 2025 05:39		YP\AJ	Ok
73	AR1254CCC500	AR1254CCC500	PP070571.D	15 Mar 2025 05:55		YP\AJ	Ok
74	I.BLK	I.BLK	PP070572.D	15 Mar 2025 06:11		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167143

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 03/14/2025

Extraction Start Time : 12:25

Extraction End Date : 03/14/2025

Extraction End Time : 15:25

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24209
Surrogate	1.0ML	200 PPB	PP24217
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2592
Baked Na2SO4	N/A	EP2593
Sand	N/A	E2865
Hexane	N/A	E3877
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/14/25	RS (Ext-lab)	T-Pest/PB
15:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167143

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/14/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167143BL	ABLK143	PCB Group1	30.01	N/A	ritesh	Evelyn	10			U2-1
PB167143BS	ALCS143	PCB Group1	30.03	N/A	ritesh	Evelyn	10			2
Q1569-01	TAP-IDW-SOIL-031325-01	PCB	30.07	N/A	ritesh	Evelyn	10	B	Sludge	3
Q1569-04	TAP-IDW-SOIL-031325-02	PCB	30.03	N/A	ritesh	Evelyn	10	B	Sludge	4
Q1572-01	C0AC9	PCB Group1	30.06	N/A	ritesh	Evelyn	10			5
Q1572-02	C0O14	PCB Group1	30.02	N/A	ritesh	Evelyn	10			6
Q1572-03	C0O15	PCB Group1	30.10	N/A	ritesh	Evelyn	10			U3-1
Q1572-04	C0O16	PCB Group1	30.08	N/A	ritesh	Evelyn	10			2
Q1572-05	C0O17	PCB Group1	30.05	N/A	ritesh	Evelyn	10			3
Q1572-06	C0O18	PCB Group1	30.03	N/A	ritesh	Evelyn	10			4
Q1572-06MS	C0O18MS	PCB Group1	30.07	N/A	ritesh	Evelyn	10			5
Q1572-06MSD	C0O18MSD	PCB Group1	30.09	N/A	ritesh	Evelyn	10			6
Q1572-07	C0O19	PCB Group1	30.01	N/A	ritesh	Evelyn	10			U6-1
Q1572-08	C0O20	PCB Group1	30.04	N/A	ritesh	Evelyn	10			2
Q1572-09	C0O21	PCB Group1	30.08	N/A	ritesh	Evelyn	10			3
Q1572-10	C0O22	PCB Group1	30.05	N/A	ritesh	Evelyn	10			4
Q1572-11	C0O23	PCB Group1	30.03	N/A	ritesh	Evelyn	10			5
Q1572-12	C0O24	PCB Group1	30.09	N/A	ritesh	Evelyn	10			6
Q1572-13	C0O25	PCB Group1	30.06	N/A	ritesh	Evelyn	10			U7-1
Q1572-14	C0O26	PCB Group1	30.03	N/A	ritesh	Evelyn	10			2
Q1572-15	C0O27	PCB Group1	30.07	N/A	ritesh	Evelyn	10			3
Q1572-16	C0O28	PCB Group1	30.09	N/A	ritesh	Evelyn	10			4
Q1574-01	WC1	PCB	30.05	N/A	ritesh	Evelyn	10	C		5

RS 3/14

* **Extracts relinquished on the same date as received.**

Q1574 7/14/3 12:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1572 **WorkList ID :** 188289 **Department :** Extraction **Date :** 03-14-2025 12:16:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1569-01	TAP-IDW-SOIL-031325-01	Solid	PCB	Cool 4 deg C	WEST04	I33	03/13/2025	8082A
Q1569-04	TAP-IDW-SOIL-031325-02	Solid	PCB	Cool 4 deg C	WEST04		03/13/2025	8082A
Q1572-01	C0AC9	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-02	C0O14	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-03	C0O15	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-04	C0O16	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-05	C0O17	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-06	C0O18	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-07	C0O19	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-08	C0O20	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-09	C0O21	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-10	C0O22	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-11	C0O23	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-12	C0O24	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-13	C0O25	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-14	C0O26	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-15	C0O27	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1572-16	C0O28	Solid	PCB Group1	Cool 4 deg C	TETR16	I31	03/12/2025	8082A
Q1574-01	WC1	Solid	PCB	Cool 4 deg C	GENV01	I41	03/12/2025	8082A

Date/Time 3/14/25 12:20
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by:

Date/Time 3/14/25 12:55
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Ext Lab)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q1574	**OrderDate:**	3/14/2025 11:25:00 AM
Client:	G Environmental	**Project:**	Ave L
Contact:	Gary Landis	**Location:**	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1574-01	**WC1**	**SOIL**			**03/12/25**			**03/14/25**
			PCB	8082A		03/14/25	03/17/25	
Q1574-01DL	**WC1DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB	8082A		03/14/25	03/17/25	

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:	03/12/25	
Project:	Ave L		Date Received:	03/14/25	
Client Sample ID:	WC1		SDG No.:	Q1574	
Lab Sample ID:	Q1574-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	98	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 15:00	03/20/25 13:59	PB167231

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	2.32		1	0.14	1.02	mg/kg	FF015699.D
Aliphatic C12-C16	Aliphatic C12-C16	1.35		1	0.11	0.68	mg/kg	FF015699.D
Aliphatic C16-C21	Aliphatic C16-C21	48.1		10	1.32	10.2	mg/kg	FF015703.D
Aliphatic C21-C28	Aliphatic C21-C28	779		50	27.0	67.8	mg/kg	FF015704.D
Aliphatic C28-C40	Aliphatic C28-C40	841		50	60.0	101	mg/kg	FF015704.D
Aromatic C10-C12	Aromatic C10-C12	4.33		1	0.12	0.68	mg/kg	FG015516.D
Aromatic C12-C16	Aromatic C12-C16	4.55		1	0.23	1.02	mg/kg	FG015516.D
Aromatic C16-C21	Aromatic C16-C21	10.0		1	0.41	1.70	mg/kg	FG015516.D
Aromatic C21-C36	Aromatic C21-C36	5140		250	302	678	mg/kg	FG015521.D
Total AliphaticEPH	Total AliphaticEPH	1670			88.6	181	mg/kg	
Total AromaticEPH	Total AromaticEPH	5160			303	681	mg/kg	
Total EPH	Total EPH	6830			391	862	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015699.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		2.32		0.14	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.35		0.11	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		52.6	E	0.13	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		643	E	0.54	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		760	E	1.20	2.03	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		57.4		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1574-01	Acq On:	20 Mar 2025 13:59
Client Sample ID:	WC1	Operator:	YP\AJ
Data file:	FF015699.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	4393564	34.2	300	ug/ml
Aliphatic C12-C16	6.834	10.268	2620444	19.91	200	ug/ml
Aliphatic C16-C21	10.269	13.635	104931728	775.122	300	ug/ml
Aliphatic C21-C28	13.636	17.299	1255702496	9490	400	ug/ml
Aliphatic C28-C40	17.300	22.199	1213036900	11200	600	ug/ml
Aliphatic EPH	3.210	22.199	2580685132	21500		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.378	13.378	6519038	57.44		ug/ml
Aliphatic C9-C28	3.210	17.299	1367648232	10300	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:	03/12/25	
Project:	Ave L		Date Received:	03/14/25	
Client Sample ID:	WC1		SDG No.:	Q1574	
Lab Sample ID:	Q1574-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	98	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015516.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.33		0.12	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	4.55		0.23	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	10.0		0.41	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5470	E	1.21	2.71	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.9		40 - 140	102%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	47.8		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.1		40 - 140	56%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1574-01	Acq On:	20 Mar 2025 13:59
Client Sample ID:	WC1	Operator:	YP\AJ
Data file:	FG015516.D	Misc:	
Instrument:	FID_G	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	8559667	63.88	200	ug/ml
Aromatic C12-C16	6.337	9.043	9205900	67.122	300	ug/ml
Aromatic C16-C21	9.044	13.372	20634275	148.011	500	ug/ml
Aromatic C21-C36	13.373	18.832	10490992147	80600	800	ug/ml
Aromatic EPH	4.457	18.832	10529391989	80900		ug/ml
2-Bromonaphthalene (SURR)	7.968	7.968	6217170	50.9		ug/ml
2-Flurobiphenyl (SURR)	8.845	8.845	3950549	47.79		ug/ml
ortho-Terphenyl (SURR)	11.938	11.938	4104130	28.14		ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1DL	SDG No.:	Q1574
Lab Sample ID:	Q1574-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015703.D	10	03/19/25	03/20/25	PB167231

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		1.42	U	1.42	10.2	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		1.12	U	1.12	6.78	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		48.1		1.32	10.2	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		754	E	5.39	13.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		676	E	12.0	20.3	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		7.35		40 - 140	147%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1574-01DL	Acq On:	20 Mar 2025 15:56
Client Sample ID:	WC1DL	Operator:	YP\AJ
Data file:	FF015703.D	Misc:	
Instrument:	FID_F	ALS Vial:	78
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	293956	2.288	300	ug/ml
Aliphatic C12-C16	6.834	10.268	265295	2.016	200	ug/ml
Aliphatic C16-C21	10.269	13.635	9610133	70.989	300	ug/ml
Aliphatic C21-C28	13.636	17.299	147186005	1110	400	ug/ml
Aliphatic C28-C40	17.300	22.199	107855781	997.307	600	ug/ml
Aliphatic EPH	3.210	22.199	265211170	2190		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.373	13.373	833744	7.35		ug/ml
Aliphatic C9-C28	3.210	17.299	157355389	1190	1200	ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1DL	SDG No.:	Q1574
Lab Sample ID:	Q1574-01DL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015521.D	250	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	30.5	U	30.5	169	mg/kg
Aromatic C12-C16	Aromatic C12-C16	58.5	U	58.5	254	mg/kg
Aromatic C16-C21	Aromatic C16-C21	101	U	101	423	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5140		302	678	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	0.00		40 - 140	0%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1574-01DL	Acq On:	20 Mar 2025 16:26
Client Sample ID:	WC1DL	Operator:	YP\AJ
Data file:	FG015521.D	Misc:	
Instrument:	FID_G	ALS Vial:	29
Dilution Factor:	250	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	45087	0.336	200	ug/ml
Aromatic C12-C16	6.337	9.043	44251	0.323	300	ug/ml
Aromatic C16-C21	9.044	13.372	33384	0.239	500	ug/ml
Aromatic C21-C36	13.373	18.832	39459324	303.081	800	ug/ml
Aromatic EPH	4.457	18.832	39582046	303.98		ug/ml
2-Bromonaphthalene (SURR)	0.000	0.000	0	0		ug/ml
2-Flurobiphenyl (SURR)	0.000	0.000	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1DL2	SDG No.:	Q1574
Lab Sample ID:	Q1574-01DL2	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	98
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015704.D	50	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.12	U	7.12	50.9	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.60	U	5.60	33.9	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	65.2		6.61	50.9	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	779		27.0	67.8	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	841		60.0	101	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	1.14		40 - 140	114%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1574-01DL2	Acq On:	20 Mar 2025 16:26
Client Sample ID:	WC1DL2	Operator:	YP\AJ
Data file:	FF015704.D	Misc:	
Instrument:	FID_F	ALS Vial:	79
Dilution Factor:	50	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	8791	0.068	300	ug/ml
Aliphatic C12-C16	6.834	10.268	0	0	200	ug/ml
Aliphatic C16-C21	10.269	13.635	2603216	19.23	300	ug/ml
Aliphatic C21-C28	13.636	17.299	30412316	229.912	400	ug/ml
Aliphatic C28-C40	17.300	22.199	26821039	248.005	600	ug/ml
Aliphatic EPH	3.210	22.199	59845362	497.215		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.374	13.374	129391	1.14		ug/ml
Aliphatic C9-C28	3.210	17.299	33024323	249.21	1200	ug/ml

QC SUMMARY

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Run Number: FF032025AL

Client SAMPLE NO.	1-chlorooctadecane (SURR)			TOT OUT
PB167231BL	63			0
PB167231BS	78			0
PB167231BSD	79			0
WC1	115			0
WC1DL	147 *			1
WC1DL2	114			0
WC1MS	87			0
WC1MSD	90			0

	QC LIMITS
1-chlorooctadecane (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM CASE No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Run Number: FG032025AR

Client SAMPLE NO.	2-Bromonaphthalene (SURR)	2-Flurobiphenyl (SURR)	ortho-Terphenyl (SURR)	TOT OUT
PB167231BL	100	73	84	0
PB167231BS	101	78	85	0
PB167231BSD	116	90	98	0
WC1	102	96	56	0
WC1DL	0 *	0 *	0 *	3
WC1MS	111	96	60	0
WC1MSD	109	92	52	0

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOIL EPH SURROGATE RECOVERY

	QC LIMITS
2-Bromonaphthalene (SURR)	(40-140)
2-Flurobiphenyl (SURR)	(40-140)
ortho-Terphenyl (SURR)	(40-140)

Column to be used to flag recovery values
* Values outside of contract required QC Limits
D Surrogate diluted out

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

Sample No : Q1574-01MS **Datafile:** FF015701.D

Client ID : WC1MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10.2	2.32	8.80	64		(40-140)
Aliphatic C12-C16	6.8	1.35	7.47	90		(40-140)
Aliphatic C16-C21	10.2	52.6	71.8	188	*	(40-140)
Aliphatic C21-C28	13.6	643	867	1641	*	(40-140)
Aliphatic C28-C40	20.4	760	1140	1845	*	(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

Sample No : Q1574-01MSD **Datafile:** FF015702.D

Client ID : WC1MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10.2	2.32	8.95	65		2.33 |	(40-140)	25
Aliphatic C12-C16	6.8	1.35	7.39	89		1.23 |	(40-140)	25
Aliphatic C16-C21	10.2	52.6	72.5	195	*	3.66 |	(40-140)	25
Aliphatic C21-C28	13.6	643	886	1782	*	8.24 |	(40-140)	25
Aliphatic C28-C40	20.4	760	1170	2028	*	9.45 |	(40-140)	25

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

Sample No : Q1574-01MS **Datafile:** FG015518.D

Client ID : WC1MS

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.8	4.33	10.1	85		(40-140)
Aromatic C12-C16	10.2	4.55	16.5	117		(40-140)
Aromatic C16-C21	17.0	10.0	18.9	52		(40-140)
Aromatic C21-C36	27.2	5470	6990	5601	*	(40-140)

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SOLID EPH MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

Sample No : Q1574-01MSD **Datafile:** FG015519.D

Client ID : WC1MSD

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.8	4.33	9.75	80		6.19 |	(40-140)	25
Aromatic C12-C16	10.2	4.55	11.8	71		48.8 *|	(40-140)	25
Aromatic C16-C21	17.0	10.0	20.5	62		16 |	(40-140)	25
Aromatic C21-C36	27.2	5470	6750	4736	*	16.7 |	(40-140)	25

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

Sample No : PB167231BS **Datafile:** FF015697.D

Client ID : PB167231BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aliphatic C9-C12	10	5.21	52		(40-140)
Aliphatic C12-C16	6.7	4.89	73		(40-140)
Aliphatic C16-C21	10	8.60	86		(40-140)
Aliphatic C21-C28	13.3	11.5	86		(40-140)
Aliphatic C28-C40	20.0	18.0	90		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

Sample No : PB167231BSD **Datafile:** FF015698.D

Client ID : PB167231BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aliphatic C9-C12	10.0	5.24	52		0.41|	(40-140)	50
Aliphatic C12-C16	6.7	4.93	74		0.77|	(40-140)	50
Aliphatic C16-C21	10.0	8.66	87		0.61|	(40-140)	50
Aliphatic C21-C28	13.3	11.6	87		0.84|	(40-140)	50
Aliphatic C28-C40	20.0	18.5	92		2.7|	(40-140)	50

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

Sample No : PB167231BS **Datafile:** FG015514.D

Client ID : PB167231BS

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS
Aromatic C10-C12	6.7	3.68	55		(40-140)
Aromatic C12-C16	10	7.25	73		(40-140)
Aromatic C16-C21	16.7	14.9	90		(40-140)
Aromatic C21-C36	26.6	26.3	99		(40-140)

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SOLID EPH LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** G Environmental

Lab Code: CHEM **Cas No:** Q1574 **SAS No :** Q1574 **SDG No:** Q1574

Sample No : PB167231BSD **Datafile:** FG015515.D

Client ID : PB167231BSD

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD |	QC LIMITS	QC Limit Of RPD
Aromatic C10-C12	6.7	4.26	64		14|	(40-140)	50
Aromatic C12-C16	10.0	8.37	84		14|	(40-140)	50
Aromatic C16-C21	16.7	17.2	103		14|	(40-140)	50
Aromatic C21-C36	26.7	30.7	115		15|	(40-140)	50

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB167231BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG NO.: Q1574

Instrument ID: FID_F Lab Sample ID: PB167231BL

Matrix: (soil/water) Solid Date Extracted: 3/19/2025 3:00:00 P

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID
PB167231BS	PB167231BS
PB167231BSD	PB167231BSD
WC1	Q1574-01
WC1MS	Q1574-01MS
WC1MSD	Q1574-01MSD

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Ave L			Date Received:	
Client Sample ID:	PB167231BL			SDG No.:	Q1574
Lab Sample ID:	PB167231BL			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 15:00	03/20/25 12:31	PB167231

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.14	U	1	0.14	1.00	mg/kg	FF015696.D
Aliphatic C12-C16	Aliphatic C12-C16	0.11	U	1	0.11	0.67	mg/kg	FF015696.D
Aliphatic C16-C21	Aliphatic C16-C21	0.13	U	1	0.13	1.00	mg/kg	FF015696.D
Aliphatic C21-C28	Aliphatic C21-C28	0.53	U	1	0.53	1.33	mg/kg	FF015696.D
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FF015696.D
Aromatic C10-C12	Aromatic C10-C12	0.12	U	1	0.12	0.67	mg/kg	FG015513.D
Aromatic C12-C16	Aromatic C12-C16	0.23	U	1	0.23	1.00	mg/kg	FG015513.D
Aromatic C16-C21	Aromatic C16-C21	0.40	U	1	0.40	1.67	mg/kg	FG015513.D
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1	1.19	2.67	mg/kg	FG015513.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	1.94	U		1.94	6.01	mg/kg	
Total EPH	Total EPH	4.03	U		4.03	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167231BL		SDG No.:	Q1574	
Lab Sample ID:	PB167231BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015696.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.14	U	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.11	U	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.13	U	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.53	U	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		1.18	U	1.18	2.00	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		31.7		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167231BL	Acq On:	20 Mar 2025 12:31
Client Sample ID:	PB167231BL	Operator:	YP\AJ
Data file:	FF015696.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	0	0	300	ug/ml
Aliphatic C12-C16	6.834	10.268	0	0	200	ug/ml
Aliphatic C16-C21	10.269	13.635	0	0	300	ug/ml
Aliphatic C21-C28	13.636	17.299	0	0	400	ug/ml
Aliphatic C28-C40	17.300	22.199	0	0	600	ug/ml
Aliphatic EPH	3.210	22.199	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.368	13.368	3596079	31.69		ug/ml
Aliphatic C9-C28	3.210	17.299	0	0	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167231BL		SDG No.:	Q1574	
Lab Sample ID:	PB167231BL		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015513.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.12	U	0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.23	U	0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	0.40	U	0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.19	U	1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.0		40 - 140	100%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.0		40 - 140	84%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167231BL	Acq On:	20 Mar 2025 12:31
Client Sample ID:	PB167231BL	Operator:	YP\AJ
Data file:	FG015513.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	0	0	200	ug/ml
Aromatic C12-C16	6.337	9.043	0	0	300	ug/ml
Aromatic C16-C21	9.044	13.372	0	0	500	ug/ml
Aromatic C21-C36	13.373	18.832	0	0	800	ug/ml
Aromatic EPH	4.457	18.832	0	0		ug/ml
ortho-Terphenyl (SURR)	11.920	11.920	6123660	41.99		ug/ml
2-Bromonaphthalene (SURR)	7.966	7.966	6105622	49.98		ug/ml
2-Flurobiphenyl (SURR)	8.842	8.842	3028647	36.64		ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167231BS		SDG No.:	Q1574	
Lab Sample ID:	PB167231BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 15:00	03/20/25 13:00	PB167231

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.21		1	0.14	1.00	mg/kg	FF015697.D
Aliphatic C12-C16	Aliphatic C12-C16	4.89		1	0.11	0.67	mg/kg	FF015697.D
Aliphatic C16-C21	Aliphatic C16-C21	8.60		1	0.13	1.00	mg/kg	FF015697.D
Aliphatic C21-C28	Aliphatic C21-C28	11.5		1	0.53	1.33	mg/kg	FF015697.D
Aliphatic C28-C40	Aliphatic C28-C40	18.0		1	1.18	2.00	mg/kg	FF015697.D
Aromatic C10-C12	Aromatic C10-C12	3.68		1	0.12	0.67	mg/kg	FG015514.D
Aromatic C12-C16	Aromatic C12-C16	7.25		1	0.23	1.00	mg/kg	FG015514.D
Aromatic C16-C21	Aromatic C16-C21	14.9		1	0.40	1.67	mg/kg	FG015514.D
Aromatic C21-C36	Aromatic C21-C36	26.3		1	1.19	2.66	mg/kg	FG015514.D
Total AliphaticEPH	Total AliphaticEPH	48.2			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	52.1			1.94	6.00	mg/kg	
Total EPH	Total EPH	100			4.03	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167231BS		SDG No.:	Q1574	
Lab Sample ID:	PB167231BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015697.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.21		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.89		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.60		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.5		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167231BS	Acq On:	20 Mar 2025 13:00
Client Sample ID:	PB167231BS	Operator:	YP\AJ
Data file:	FF015697.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	10052929	78.254	300	ug/ml
Aliphatic C12-C16	6.834	10.268	9671226	73.482	200	ug/ml
Aliphatic C16-C21	10.269	13.635	17483288	129.148	300	ug/ml
Aliphatic C21-C28	13.636	17.299	22908555	173.185	400	ug/ml
Aliphatic C28-C40	17.300	22.199	29231387	270.293	600	ug/ml
Aliphatic EPH	3.210	22.199	89347385	724.361		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	4427027	39.01		ug/ml
Aliphatic C9-C28	3.210	17.299	60115998	454.069	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167231BS		SDG No.:	Q1574	
Lab Sample ID:	PB167231BS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015514.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.68		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.25		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.9		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	26.3		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.5		40 - 140	101%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	39.1		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.7		40 - 140	85%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167231BS	Acq On:	20 Mar 2025 13:00
Client Sample ID:	PB167231BS	Operator:	YP\AJ
Data file:	FG015514.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	7407727	55.283	200	ug/ml
Aromatic C12-C16	6.337	9.043	14923993	108.814	300	ug/ml
Aromatic C16-C21	9.044	13.372	31178925	223.648	500	ug/ml
Aromatic C21-C36	13.373	18.832	51378805	394.633	800	ug/ml
Aromatic EPH	4.457	18.832	104889450	782.379		ug/ml
2-Bromonaphthalene (SURR)	7.967	7.967	6169474	50.51		ug/ml
2-Flurobiphenyl (SURR)	8.844	8.844	3230344	39.08		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	6231904	42.73		ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167231BSD		SDG No.:	Q1574	
Lab Sample ID:	PB167231BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 15:00	03/20/25 13:29	PB167231

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.24		1	0.14	1.00	mg/kg	FF015698.D
Aliphatic C12-C16	Aliphatic C12-C16	4.93		1	0.11	0.67	mg/kg	FF015698.D
Aliphatic C16-C21	Aliphatic C16-C21	8.66		1	0.13	1.00	mg/kg	FF015698.D
Aliphatic C21-C28	Aliphatic C21-C28	11.6		1	0.53	1.33	mg/kg	FF015698.D
Aliphatic C28-C40	Aliphatic C28-C40	18.5		1	1.18	2.00	mg/kg	FF015698.D
Aromatic C10-C12	Aromatic C10-C12	4.26		1	0.12	0.67	mg/kg	FG015515.D
Aromatic C12-C16	Aromatic C12-C16	8.37		1	0.23	1.00	mg/kg	FG015515.D
Aromatic C16-C21	Aromatic C16-C21	17.2		1	0.40	1.67	mg/kg	FG015515.D
Aromatic C21-C36	Aromatic C21-C36	30.7		1	1.19	2.67	mg/kg	FG015515.D
Total AliphaticEPH	Total AliphaticEPH	48.9			2.09	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	60.5			1.94	6.01	mg/kg	
Total EPH	Total EPH	109			4.03	12.0	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167231BSD		SDG No.:	Q1574	
Lab Sample ID:	PB167231BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015698.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.24		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.93		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.66		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	11.6		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167231BSD	Acq On:	20 Mar 2025 13:29
Client Sample ID:	PB167231BSD	Operator:	YP\AJ
Data file:	FF015698.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	10101372	78.631	300	ug/ml
Aliphatic C12-C16	6.834	10.268	9730415	73.931	200	ug/ml
Aliphatic C16-C21	10.269	13.635	17588777	129.927	300	ug/ml
Aliphatic C21-C28	13.636	17.299	23085719	174.524	400	ug/ml
Aliphatic C28-C40	17.300	22.199	30053377	277.894	600	ug/ml
Aliphatic EPH	3.210	22.199	90559660	734.907		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4460553	39.3		ug/ml
Aliphatic C9-C28	3.210	17.299	60506283	457.013	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	PB167231BSD		SDG No.:	Q1574	
Lab Sample ID:	PB167231BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015515.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	4.26		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	8.37		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	17.2		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	30.7		1.19	2.67	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.2		40 - 140	116%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	45.1		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.2		40 - 140	98%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB167231BSD	Acq On:	20 Mar 2025 13:29
Client Sample ID:	PB167231BSD	Operator:	YP\AJ
Data file:	FG015515.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	8557929	63.867	200	ug/ml
Aromatic C12-C16	6.337	9.043	17215774	125.524	300	ug/ml
Aromatic C16-C21	9.044	13.372	36034067	258.475	500	ug/ml
Aromatic C21-C36	13.373	18.832	59878364	459.917	800	ug/ml
Aromatic EPH	4.457	18.832	121686134	907.782		ug/ml
2-Bromonaphthalene (SURR)	7.969	7.969	7111822	58.22		ug/ml
2-Flurobiphenyl (SURR)	8.846	8.846	3730134	45.13		ug/ml
ortho-Terphenyl (SURR)	11.920	11.920	7173187	49.19		ug/ml

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Ave L			Date Received:	
Client Sample ID:	WC1MS			SDG No.:	Q1574
Lab Sample ID:	Q1574-01MS			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	98
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 15:00	03/20/25 14:58	PB167231

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.80		1	0.14	1.02	mg/kg	FF015701.D
Aliphatic C12-C16	Aliphatic C12-C16	7.47		1	0.11	0.68	mg/kg	FF015701.D
Aliphatic C16-C21	Aliphatic C16-C21	71.8	E	1	0.13	1.02	mg/kg	FF015701.D
Aliphatic C21-C28	Aliphatic C21-C28	867	E	1	0.54	1.36	mg/kg	FF015701.D
Aliphatic C28-C40	Aliphatic C28-C40	1140	E	1	1.20	2.04	mg/kg	FF015701.D
Aromatic C10-C12	Aromatic C10-C12	10.1		1	0.12	0.68	mg/kg	FG015518.D
Aromatic C12-C16	Aromatic C12-C16	16.5		1	0.23	1.02	mg/kg	FG015518.D
Aromatic C16-C21	Aromatic C16-C21	18.9		1	0.41	1.70	mg/kg	FG015518.D
Aromatic C21-C36	Aromatic C21-C36	6990	E	1	1.21	2.72	mg/kg	FG015518.D
Total AliphaticEPH	Total AliphaticEPH	2090			2.13	6.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	7030			1.97	6.12	mg/kg	
Total EPH	Total EPH	9130			4.10	12.2	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	WC1MS		SDG No.:	Q1574	
Lab Sample ID:	Q1574-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	98	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015701.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.80		0.14	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.47		0.11	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	71.8	E	0.13	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	867	E	0.54	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1140	E	1.20	2.04	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.6		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1574-01MS	Acq On:	20 Mar 2025 14:58
Client Sample ID:	WC1MS	Operator:	YP\AJ
Data file:	FF015701.D	Misc:	
Instrument:	FID_F	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	16632418	129.47	300	ug/ml
Aliphatic C12-C16	6.834	10.268	14462435	109.885	200	ug/ml
Aliphatic C16-C21	10.269	13.635	142999105	1060	300	ug/ml
Aliphatic C21-C28	13.636	17.299	1689105930	12800	400	ug/ml
Aliphatic C28-C40	17.300	22.199	1809379549	16700	600	ug/ml
Aliphatic EPH	3.210	22.199	3672579437	30800		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	4949834	43.61		ug/ml
Aliphatic C9-C28	3.210	17.299	1863199888	14100	1200	ug/ml

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	WC1MS		SDG No.:	Q1574	
Lab Sample ID:	Q1574-01MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	98	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015518.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	10.1		0.12	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	16.5		0.23	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	18.9		0.41	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36	6990	E	1.21	2.72	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.7		40 - 140	111%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	48.0		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.2		40 - 140	60%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1574-01MS	Acq On:	20 Mar 2025 14:58
Client Sample ID:	WC1MS	Operator:	YP\AJ
Data file:	FG015518.D	Misc:	
Instrument:	FID_G	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	19817022	147.892	200	ug/ml
Aromatic C12-C16	6.337	9.043	33206872	242.118	300	ug/ml
Aromatic C16-C21	9.044	13.372	38701468	277.608	500	ug/ml
Aromatic C21-C36	13.373	18.832	13388749142	103000	800	ug/ml
Aromatic EPH	4.457	18.832	13480474504	104000		ug/ml
2-Bromonaphthalene (SURR)	7.971	7.971	6800885	55.67		ug/ml
2-Flurobiphenyl (SURR)	8.849	8.849	3971661	48.05		ug/ml
ortho-Terphenyl (SURR)	11.937	11.937	4406350	30.22		ug/ml

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Ave L			Date Received:	
Client Sample ID:	WC1MSD			SDG No.:	Q1574
Lab Sample ID:	Q1574-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	98
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 15:00	03/20/25 15:27	PB167231

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.95		1	0.14	1.02	mg/kg	FF015702.D
Aliphatic C12-C16	Aliphatic C12-C16	7.39		1	0.11	0.68	mg/kg	FF015702.D
Aliphatic C16-C21	Aliphatic C16-C21	72.5	E	1	0.13	1.02	mg/kg	FF015702.D
Aliphatic C21-C28	Aliphatic C21-C28	886	E	1	0.54	1.36	mg/kg	FF015702.D
Aliphatic C28-C40	Aliphatic C28-C40	1170	E	1	1.20	2.04	mg/kg	FF015702.D
Aromatic C10-C12	Aromatic C10-C12	9.75		1	0.12	0.68	mg/kg	FG015519.D
Aromatic C12-C16	Aromatic C12-C16	11.8		1	0.23	1.02	mg/kg	FG015519.D
Aromatic C16-C21	Aromatic C16-C21	20.5		1	0.41	1.70	mg/kg	FG015519.D
Aromatic C21-C36	Aromatic C21-C36	6750	E	1	1.21	2.72	mg/kg	FG015519.D
Total AliphaticEPH	Total AliphaticEPH	2150			2.13	6.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	6790			1.97	6.12	mg/kg	
Total EPH	Total EPH	8940			4.10	12.2	mg/kg	

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Ave L		Date Received:		
Client Sample ID:	WC1MSD		SDG No.:	Q1574	
Lab Sample ID:	Q1574-01MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	98	
Sample Wt/Vol:	30.05 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015702.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.95		0.14	1.02	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	7.39		0.11	0.68	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	72.5	E	0.13	1.02	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	886	E	0.54	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1170	E	1.20	2.04	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.9		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1574-01MSD	Acq On:	20 Mar 2025 15:27
Client Sample ID:	WC1MSD	Operator:	YP\AJ
Data file:	FF015702.D	Misc:	
Instrument:	FID_F	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.833	16926943	131.762	300	ug/ml
Aliphatic C12-C16	6.834	10.268	14326346	108.851	200	ug/ml
Aliphatic C16-C21	10.269	13.635	144552236	1070	300	ug/ml
Aliphatic C21-C28	13.636	17.299	1726666665	13100	400	ug/ml
Aliphatic C28-C40	17.300	22.199	1869886260	17300	600	ug/ml
Aliphatic EPH	3.210	22.199	3772358450	31700		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.382	13.382	5096779	44.91		ug/ml
Aliphatic C9-C28	3.210	17.299	1902472190	14400	1200	ug/ml

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Ave L			Date Received:	
Client Sample ID:	WC1MSD			SDG No.:	Q1574
Lab Sample ID:	Q1574-01MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	98
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015519.D	1	03/19/25	03/20/25	PB167231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.75		0.12	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	11.8		0.23	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	20.5		0.41	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36	6750	E	1.21	2.72	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	54.3		40 - 140	109%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	46.1		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1574-01MSD	Acq On:	20 Mar 2025 15:27
Client Sample ID:	WC1MSD	Operator:	YP\AJ
Data file:	FG015519.D	Misc:	
Instrument:	FID_G	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.457	6.336	19228562	143.501	200	ug/ml
Aromatic C12-C16	6.337	9.043	23781726	173.397	300	ug/ml
Aromatic C16-C21	9.044	13.372	42180010	302.56	500	ug/ml
Aromatic C21-C36	13.373	18.832	12945610862	99400	800	ug/ml
Aromatic EPH	4.457	18.832	13030801160	101000		ug/ml
2-Bromonaphthalene (SURR)	7.972	7.972	6634311	54.31		ug/ml
2-Flurobiphenyl (SURR)	8.850	8.850	3808847	46.08		ug/ml
ortho-Terphenyl (SURR)	11.970	11.970	3804129	26.09		ug/ml

CALIBRATION SUMMARY

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Inital Calibration Report for SequenceID : FF031725AL

AreaCount

Parameter Range	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.D	
Aliphatic C9-C12	35791753.000	18596208.000	8058326.000	4004912.000	1968689.000	
Aliphatic C12-C16	24749935.000	12856373.000	5564326.000	2740629.000	1296185.000	
Aliphatic C16-C21	37540731.000	19647990.000	8562154.000	4228203.000	2056604.000	
Aliphatic C21-C28	47415607.000	25387224.000	11186676.000	5615235.000	2714034.000	
Aliphatic C28-C40	55895010.000	30012799.000	13810725.000	6857806.000	3544442.000	
Aliphatic EPH	201393036.000	106500594.000	47182207.000	23446785.000	11579954.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	128465.799333	5.093				
Aliphatic C12-C16	131614.301	4.815				
Aliphatic C16-C21	135374.3939998	5.375				
Aliphatic C21-C28	132278.2325	7.089				
Aliphatic C28-C40	108147.044333	10.091				
Aliphatic EPH	124041.354333	6.861				

Concentration

Parameter Range	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FF015685.D	FF015686.D	FF015687.D	FF015688.D	FF015689.D	
Aliphatic C9-C12	119305.843333	123974.720000	134305.433333	133497.066666	131245.933333	
Aliphatic C12-C16	123749.675000	128563.730000	139108.150000	137031.450000	129618.500000	
Aliphatic C16-C21	125135.770000	130986.600000	142702.566666	140940.100000	137106.933333	

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Inital Calibration Report for SequenceID : FF031725AL

Aliphatic C21-C28	118539.017500	126936.120000	139833.450000	140380.875000	135701.700000	
Aliphatic C28-C40	93158.350000	100042.663333	115089.375000	114296.766666	118148.066666	
Aliphatic EPH	111885.020000	118333.993333	131061.686111	130259.916666	128666.155555	

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Inital Calibration Report for SequenceID : FG031725AR

AreaCount

Parameter Range	FG015502.D	FG015503.D	FG015504.D	FG015505.D	FG015506.D	
Aromatic C10-C12	26308403.000	13646067.000	5356264.000	2672678.000	1344384.000	
Aromatic C12-C16	40492472.000	20940760.000	8286344.000	4096782.000	2047703.000	
Aromatic C16-C21	54529163.000	28172992.000	11190203.000	5588718.000	2805377.000	
Aromatic C21-C36	113166303.000	58525947.000	23420337.000	11832868.000	6011171.000	
Aromatic EPH	234496341.000	121285766.000	48253148.000	24191046.000	12208635.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aromatic C10-C12	133996.317	1.316				
Aromatic C12-C16	137151.7279996	1.285				
Aromatic C16-C21	139410.441	1.278				
Aromatic C21-C36	130193.7737774	2.205				
Aromatic EPH	133824.0858888	1.549				

Concentration

Parameter Range	FG015502.D	FG015503.D	FG015504.D	FG015505.D	FG015506.D	
Aromatic C10-C12	200.000	100.000	40.000	20.000	10.000	
Aromatic C12-C16	300.000	150.000	60.000	30.000	15.000	
Aromatic C16-C21	400.000	200.000	80.000	40.000	20.000	
Aromatic C21-C36	900.000	450.000	180.000	90.000	45.000	
Aromatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FG015502.D	FG015503.D	FG015504.D	FG015505.D	FG015506.D	
Aromatic C10-C12	131542.015000	136460.670000	133906.600000	133633.900000	134438.400000	
Aromatic C12-C16	134974.906666	139605.066666	138105.733333	136559.400000	136513.533333	
Aromatic C16-C21	136322.907500	140864.960000	139877.537500	139717.950000	140268.850000	
Aromatic C21-C36	125740.336666	130057.660000	130112.983333	131476.311111	133581.577777	
Aromatic EPH	130275.745000	134761.962222	134036.522222	134394.700000	135651.500000	

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Continuing Calibration Report for SequenceID : FF032025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015695.D**						
Aliphatic C9-C12	8283457.000	60.000	3.210	6.833	138057.617	128465.799	-7.466
Aliphatic C12-C16	5675359.000	40.000	6.834	10.268	141883.975	131614.301	-7.803
Aliphatic C16-C21	8726107.000	60.000	10.269	13.635	145435.117	135374.394	-7.432
Aliphatic C21-C28	10964393.000	80.000	13.636	17.299	137054.913	132278.233	-3.611
Aliphatic C28-C40	12363824.000	120.000	17.300	22.199	103031.867	108147.044	4.730
Aliphatic EPH	46013140.000	360.000	3.210	22.199	127814.278	124041.354	-3.042

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	20 Mar 2025 11:24
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015695.D	Misc:	
Instrument:	FID_F	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.210	6.833	8283457.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	5675359.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.635	8726107.000	60.000	ug/ml
Aliphatic C21-C28	13.636	17.299	10964393.000	80.000	ug/ml
Aliphatic C28-C40	17.300	22.199	12363824.000	120.000	ug/ml
Aliphatic EPH	3.210	22.199	46013140.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FF032025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015706.D**						
Aliphatic C9-C12	8315013.000	60.000	3.210	6.833	138583.550	128465.799	-7.876
Aliphatic C12-C16	5730108.000	40.000	6.834	10.268	143252.700	131614.301	-8.843
Aliphatic C16-C21	8783678.000	60.000	10.269	13.635	146394.633	135374.394	-8.141
Aliphatic C21-C28	11052870.000	80.000	13.636	17.299	138160.875	132278.233	-4.447
Aliphatic C28-C40	12850002.000	120.000	17.300	22.199	107083.350	108147.044	0.984
Aliphatic EPH	46731671.000	360.000	3.210	22.199	129810.197	124041.354	-4.651

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	20 Mar 2025 18:23
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015706.D	Misc:	
Instrument:	FID_F	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.210	6.833	8315013.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	5730108.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.635	8783678.000	60.000	ug/ml
Aliphatic C21-C28	13.636	17.299	11052870.000	80.000	ug/ml
Aliphatic C28-C40	17.300	22.199	12850002.000	120.000	ug/ml
Aliphatic EPH	3.210	22.199	46731671.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FF032025AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FF015713.D**						
Aliphatic C9-C12	8210426.000	60.000	3.210	6.833	136840.433	128465.799	-6.519
Aliphatic C12-C16	5637642.000	40.000	6.834	10.268	140941.050	131614.301	-7.086
Aliphatic C16-C21	8671498.000	60.000	10.269	13.635	144524.967	135374.394	-6.759
Aliphatic C21-C28	10915750.000	80.000	13.636	17.299	136446.875	132278.233	-3.151
Aliphatic C28-C40	12634329.000	120.000	17.300	22.199	105286.075	108147.044	2.645
Aliphatic EPH	46069645.000	360.000	3.210	22.199	127971.236	124041.354	-3.168

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Lab Sample ID:	20 PPM ALIPHATIC HC S	Acq On:	20 Mar 2025 23:47
Client Sample ID:		Operator:	YP\AJ
Data file:	FF015713.D	Misc:	
Instrument:	FID_F	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.210	6.833	8210426.000	60.000	ug/ml
Aliphatic C12-C16	6.834	10.268	5637642.000	40.000	ug/ml
Aliphatic C16-C21	10.269	13.635	8671498.000	60.000	ug/ml
Aliphatic C21-C28	13.636	17.299	10915750.000	80.000	ug/ml
Aliphatic C28-C40	17.300	22.199	12634329.000	120.000	ug/ml
Aliphatic EPH	3.210	22.199	46069645.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FG032025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG015512.D**						
Aromatic C10-C12	5476572.000	40.000	4.457	6.336	136914.300	133996.317	-2.178
Aromatic C12-C16	8393261.000	60.000	6.337	9.043	139887.683	137151.728	-1.995
Aromatic C16-C21	11290652.000	80.000	9.044	13.372	141133.150	139410.441	-1.236
Aromatic C21-C36	24297615.000	180.000	13.373	18.832	134986.750	130193.774	-3.681
Aromatic EPH	49458100.000	360.000	4.457	18.832	137383.611	133824.086	-2.660

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	20 Mar 2025 11:24
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015512.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	5476572.000	40.000	ug/ml
Aromatic C12-C16	6.337	9.043	8393261.000	60.000	ug/ml
Aromatic C16-C21	9.044	13.372	11290652.000	80.000	ug/ml
Aromatic C21-C36	13.373	18.832	24297615.000	180.000	ug/ml
Aromatic EPH	4.457	18.832	49458100.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FG032025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG015523.D**						
Aromatic C10-C12	5657327.000	40.000	4.457	6.336	141433.175	133996.317	-5.550
Aromatic C12-C16	8663436.000	60.000	6.337	9.043	144390.600	137151.728	-5.278
Aromatic C16-C21	11637052.000	80.000	9.044	13.372	145463.150	139410.441	-4.342
Aromatic C21-C36	23725751.000	180.000	13.373	18.832	131809.728	130193.774	-1.241
Aromatic EPH	49683566.000	360.000	4.457	18.832	138009.906	133824.086	-3.128

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	20 Mar 2025 18:23
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015523.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	5657327.000	40.000	ug/ml
Aromatic C12-C16	6.337	9.043	8663436.000	60.000	ug/ml
Aromatic C16-C21	9.044	13.372	11637052.000	80.000	ug/ml
Aromatic C21-C36	13.373	18.832	23725751.000	180.000	ug/ml
Aromatic EPH	4.457	18.832	49683566.000	360.000	ug/ml

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Continuing Calibration Report for SequenceID : FG032025AR

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
File ID :	**FG015530.D**						
Aromatic C10-C12	5735754.000	40.000	4.457	6.336	143393.850	133996.317	-7.013
Aromatic C12-C16	8839332.000	60.000	6.337	9.043	147322.200	137151.728	-7.415
Aromatic C16-C21	11778156.000	80.000	9.044	13.372	147226.950	139410.441	-5.607
Aromatic C21-C36	24006831.000	180.000	13.373	18.832	133371.283	130193.774	-2.441
Aromatic EPH	50360073.000	360.000	4.457	18.832	139889.092	133824.086	-4.532

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Lab Sample ID:	20 PPM AROMATIC HC S	Acq On:	20 Mar 2025 23:47
Client Sample ID:		Operator:	YP\AJ
Data file:	FG015530.D	Misc:	
Instrument:	FID_G	ALS Vial:	61
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aromatic C10-C12	4.457	6.336	5735754.000	40.000	ug/ml
Aromatic C12-C16	6.337	9.043	8839332.000	60.000	ug/ml
Aromatic C16-C21	9.044	13.372	11778156.000	80.000	ug/ml
Aromatic C21-C36	13.373	18.832	24006831.000	180.000	ug/ml
Aromatic EPH	4.457	18.832	50360073.000	360.000	ug/ml

SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015699.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:59
Operator : YP\AJ
Sample : Q1574-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 20 16:24:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_F
ClientSampleId :
WC1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.378	6519038	57.440 ug/mlm
Spiked Amount 50.000		Recovery = 114.88%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

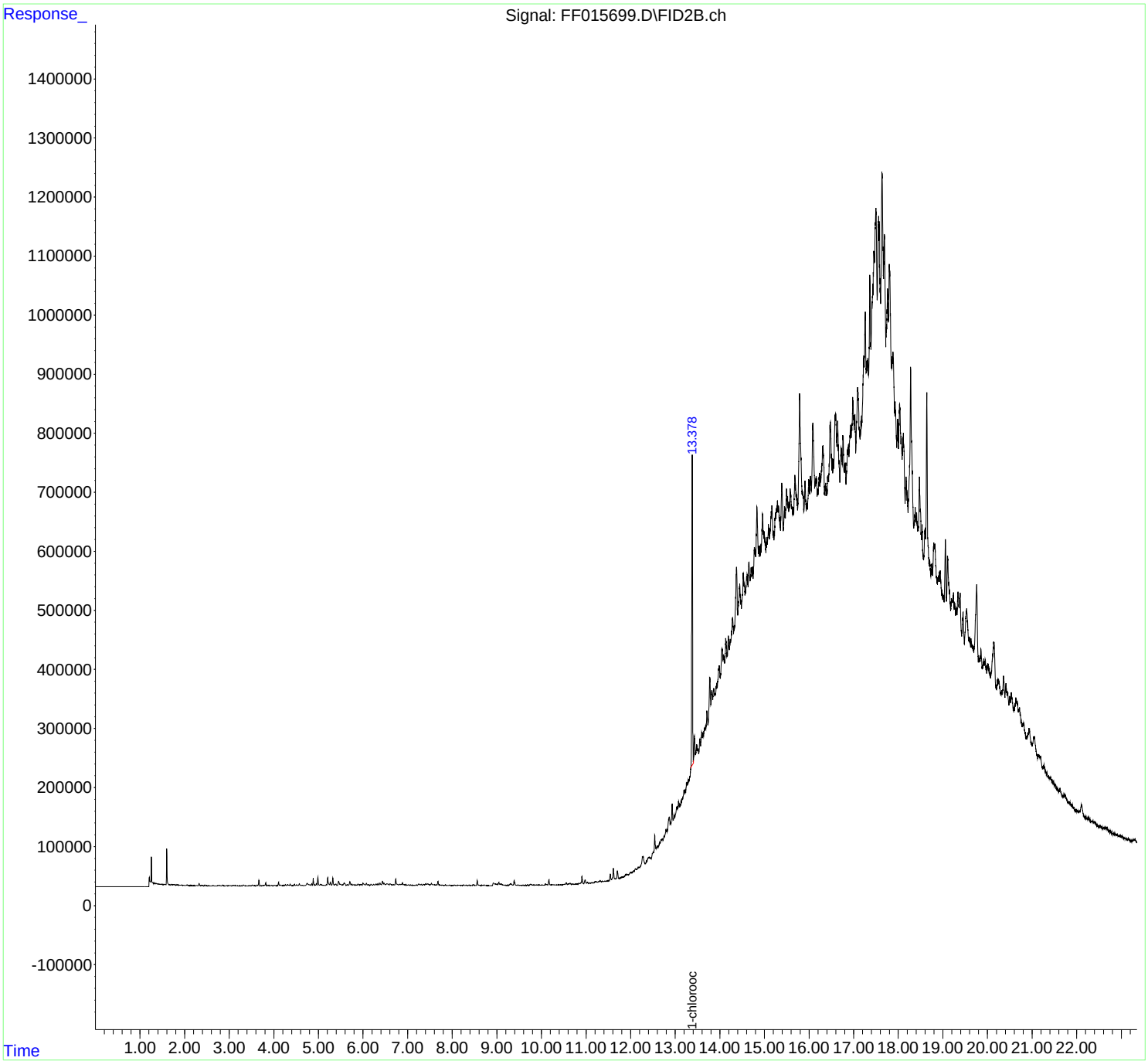
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015699.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:59
Operator : YP\AJ
Sample : Q1574-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

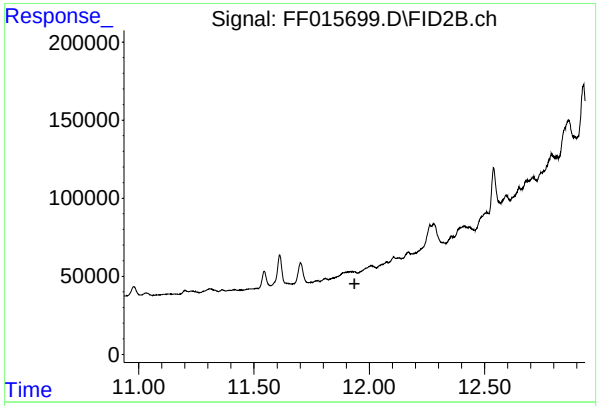
Integration File: autoint1.e
Quant Time: Mar 20 16:24:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_F
ClientSampleId :
WC1

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025





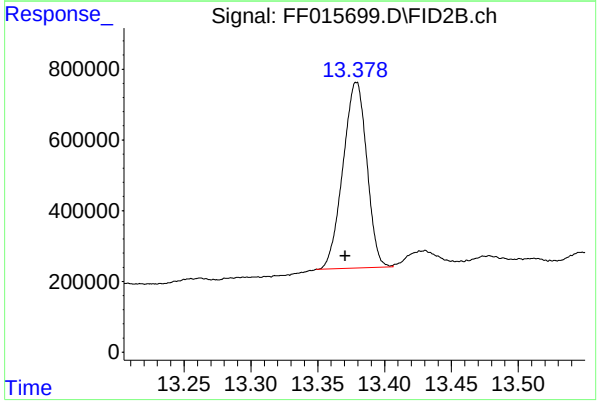
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.936 min
Response: 0
Conc: N.D.

Instrument :
FID_F
ClientSampleId :
WC1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.378 min
Delta R.T.: 0.007 min
Response: 6519038
Conc: 57.44 ug/ml m

Instrument :
FID_F
ClientSampleId :
WC1

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03202
Data File : FF015699.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:59
Sample : Q1574-01
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.851	2.802	2.908	BV	1434	18439	0.02%	0.001%
2	2.948	2.908	2.968	PV	1016	17352	0.02%	0.001%
3	3.019	2.968	3.060	VV	785	26912	0.03%	0.001%
4	3.091	3.060	3.106	VV	1213	22149	0.03%	0.001%
5	3.116	3.106	3.157	VV	827	17087	0.02%	0.001%
6	3.167	3.157	3.222	VV	405	7948	0.01%	0.000%
7	3.238	3.222	3.257	VV	287	3355	0.00%	0.000%
8	3.318	3.257	3.352	VV	1695	37527	0.04%	0.001%
9	3.357	3.352	3.410	VV	331	5770	0.01%	0.000%
10	3.455	3.410	3.475	VV	713	13029	0.02%	0.001%
11	3.485	3.475	3.498	VV	461	4592	0.01%	0.000%
12	3.521	3.498	3.541	VV	1703	22253	0.03%	0.001%
13	3.554	3.541	3.582	VV	685	10483	0.01%	0.000%
14	3.595	3.582	3.612	VV	318	3950	0.00%	0.000%
15	3.631	3.612	3.641	VV	1074	13043	0.02%	0.001%
16	3.666	3.641	3.691	VV	9619	110657	0.13%	0.004%
17	3.702	3.691	3.726	VV	860	12998	0.02%	0.001%
18	3.762	3.726	3.787	VV	1387	29543	0.04%	0.001%
19	3.818	3.787	3.856	VV	5395	81845	0.10%	0.003%
20	3.870	3.856	3.925	VV	1131	27080	0.03%	0.001%
21	3.948	3.925	3.973	VV	1374	19758	0.02%	0.001%
22	4.010	3.973	4.059	VV	1118	30577	0.04%	0.001%
23	4.107	4.059	4.128	VV	6099	76146	0.09%	0.003%
24	4.144	4.128	4.194	VV	1611	37709	0.05%	0.001%
25	4.217	4.194	4.237	VV	1053	20711	0.02%	0.001%
26	4.259	4.237	4.287	VV	2326	37677	0.05%	0.001%
27	4.312	4.287	4.347	VV	2448	49065	0.06%	0.002%
28	4.368	4.347	4.419	VV	2409	52695	0.06%	0.002%
29	4.462	4.419	4.484	VV	2807	46491	0.06%	0.002%
30	4.509	4.484	4.533	VV	2014	36661	0.04%	0.001%
31	4.572	4.533	4.613	VV	3592	68259	0.08%	0.003%
32	4.641	4.613	4.672	VV	1083	27139	0.03%	0.001%
33	4.695	4.672	4.708	VV	843	13582	0.02%	0.001%
34	4.747	4.708	4.805	VV	4327	142450	0.17%	0.005%
35	4.816	4.805	4.835	VV	2041	29156	0.03%	0.001%
36	4.851	4.835	4.865	VV	3633	41897	0.05%	0.002%

Page 1

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Instrument :
FID_F
ClientSampleId :
WC1

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

A B C D E F G H I J

rteres

37	4.885	4.865	4.937	VV	9465	146900	0.18%	0.006%
38	4.956	4.937	4.969	VV	4204	50444		
39	4.989	4.969	5.022	VV	14411	182387		
40	5.048	5.022	5.066	VV	2895	50015		
41	5.078	5.066	5.103	VV	2022	32637		
42	5.121	5.103	5.159	VV	1282	31801		
43	5.180	5.159	5.188	VV	2302	27427	0.03%	0.001%
44	5.208	5.188	5.250	VV	13892	213286	0.26%	0.008%
45	5.268	5.250	5.294	VV	6160	91603	0.11%	0.004%
46	5.324	5.294	5.356	VV	13888	185697	0.22%	0.007%
47	5.391	5.356	5.417	VV	3294	79784	0.10%	0.003%
48	5.453	5.417	5.483	VV	7960	152365	0.18%	0.006%
49	5.496	5.483	5.531	VV	2947	64942	0.08%	0.003%
50	5.576	5.531	5.624	VV	4793	149417	0.18%	0.006%
51	5.643	5.624	5.660	VV	2472	36051	0.04%	0.001%
52	5.706	5.660	5.732	VV	7499	142975	0.17%	0.006%
53	5.748	5.732	5.766	VV	3165	44249	0.05%	0.002%
54	5.782	5.766	5.812	VV	1990	45073	0.05%	0.002%
55	5.827	5.812	5.842	VV	1763	28007	0.03%	0.001%
56	5.854	5.842	5.866	VV	1586	19334	0.02%	0.001%
57	5.889	5.866	5.918	VV	3250	67404	0.08%	0.003%
58	5.952	5.918	5.980	VV	2225	68768	0.08%	0.003%
59	5.999	5.980	6.052	VV	4836	118583	0.14%	0.005%
60	6.076	6.052	6.100	VV	4296	76044	0.09%	0.003%
61	6.133	6.100	6.153	VV	1992	51018	0.06%	0.002%
62	6.181	6.153	6.212	VV	2846	57311	0.07%	0.002%
63	6.238	6.212	6.272	VV	2802	63646	0.08%	0.002%
64	6.293	6.272	6.311	VV	3261	57212	0.07%	0.002%
65	6.335	6.311	6.358	VV	3814	73099	0.09%	0.003%
66	6.380	6.358	6.412	VV	4804	93821	0.11%	0.004%
67	6.438	6.412	6.458	VV	7700	131512	0.16%	0.005%
68	6.470	6.458	6.498	VV	4660	82423	0.10%	0.003%
69	6.534	6.498	6.585	VV	3472	146174	0.17%	0.006%
70	6.605	6.585	6.665	VV	3621	114635	0.14%	0.004%
71	6.682	6.665	6.708	VV	1871	41877	0.05%	0.002%
72	6.735	6.708	6.802	VV	11590	221296	0.26%	0.009%
73	6.821	6.802	6.839	VV	2777	48249	0.06%	0.002%
74	6.855	6.839	6.869	VV	2869	42206	0.05%	0.002%
75	6.886	6.869	6.909	VV	5032	74368	0.09%	0.003%
76	6.921	6.909	6.940	VV	2415	35245	0.04%	0.001%
77	6.960	6.940	6.995	VV	2647	52263	0.06%	0.002%
78	7.023	6.995	7.048	VV	1769	41138	0.05%	0.002%
79	7.068	7.048	7.087	VV	1660	29727	0.04%	0.001%
80	7.101	7.087	7.116	VV	1272	17226	0.02%	0.001%
81	7.130	7.116	7.158	VV	1020	21006	0.03%	0.001%
82	7.188	7.158	7.219	VV	1428	35029	0.04%	0.001%
83	7.246	7.219	7.283	VV	3136	81998	0.10%	0.003%
84	7.308	7.283	7.334	VV	2690	53598	0.06%	0.002%
85	7.355	7.334	7.381	VV	2637	55822	0.07%	0.002%
86	7.411	7.381	7.435	VV	3846	85554	0.10%	0.003%
87	7.453	7.435	7.496	VV	3661	92348	0.11%	0.004%
88	7.535	7.496	7.565	VV	4192	97535	0.12%	0.004%
89	7.581	7.565	7.632	VV	1927	66994	0.08%	0.003%

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rteres

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90	7.641	7.632	7.658	VV	1655	23557	0.03%	0.001%
91	7.681	7.658	7.754	VV	7519	133940		
92	7.771	7.754	7.829	VV	1347	42145		
93	7.853	7.829	7.878	VV	1174	24714		
94	7.894	7.878	7.913	VV	590	10757		
95	7.943	7.913	7.982	VV	1514	28736		
96	7.997	7.982	8.008	VV	450	5617	0.01%	0.000%
97	8.045	8.008	8.064	VV	1187	27401	0.03%	0.001%
98	8.075	8.064	8.097	VV	966	14543	0.02%	0.001%
99	8.115	8.097	8.126	VV	718	10756	0.01%	0.000%
100	8.144	8.126	8.195	VV	1101	32358	0.04%	0.001%
101	8.209	8.195	8.232	VV	957	13083	0.02%	0.001%
102	8.254	8.232	8.275	VV	1708	22205	0.03%	0.001%
103	8.311	8.275	8.336	VV	1308	25139	0.03%	0.001%
104	8.379	8.336	8.413	VV	1325	28139	0.03%	0.001%
105	8.429	8.413	8.437	VV	453	5396	0.01%	0.000%
106	8.473	8.437	8.528	VV	1982	48880	0.06%	0.002%
107	8.562	8.528	8.642	VV	8633	134385	0.16%	0.005%
108	8.675	8.642	8.690	VV	804	19503	0.02%	0.001%
109	8.712	8.690	8.737	VV	1025	20908	0.03%	0.001%
110	8.755	8.737	8.775	VV	550	9386	0.01%	0.000%
111	8.796	8.775	8.843	VV	777	12849	0.02%	0.000%
112	8.852	8.843	8.872	VV	106	1131	0.00%	0.000%
113	8.925	8.872	9.005	PV	4736	185867	0.22%	0.007%
114	9.045	9.005	9.081	VV	5628	139621	0.17%	0.005%
115	9.100	9.081	9.140	VV	3347	71986	0.09%	0.003%
116	9.157	9.140	9.196	VV	1107	25958	0.03%	0.001%
117	9.216	9.196	9.241	VV	778	15249	0.02%	0.001%
118	9.255	9.241	9.264	VV	526	6513	0.01%	0.000%
119	9.317	9.264	9.363	VV	2882	96861	0.12%	0.004%
120	9.390	9.363	9.455	VV	8291	139296	0.17%	0.005%
121	9.475	9.455	9.505	VV	1125	17952	0.02%	0.001%
122	9.523	9.505	9.554	VV	458	7748	0.01%	0.000%
123	9.576	9.554	9.595	PV	368	4831	0.01%	0.000%
124	9.610	9.595	9.638	VV	214	4570	0.01%	0.000%
125	9.689	9.638	9.712	VV	566	14149	0.02%	0.001%
126	9.757	9.712	9.793	VV	1936	47350	0.06%	0.002%
127	9.807	9.793	9.822	VV	776	10599	0.01%	0.000%
128	9.848	9.822	9.873	VV	872	19456	0.02%	0.001%
129	9.894	9.873	9.931	VV	1181	19995	0.02%	0.001%
130	9.948	9.931	9.993	VV	958	12969	0.02%	0.001%
131	10.011	9.993	10.061	VV	241	5416	0.01%	0.000%
132	10.091	10.061	10.108	PV	2690	33874	0.04%	0.001%
133	10.120	10.108	10.144	VV	1408	23436	0.03%	0.001%
134	10.169	10.144	10.218	VV	9417	124507	0.15%	0.005%
135	10.238	10.218	10.259	VV	768	14656	0.02%	0.001%
136	10.271	10.259	10.302	VV	603	8553	0.01%	0.000%
137	10.340	10.302	10.355	VV	260	3747	0.00%	0.000%
138	10.400	10.355	10.427	VV	294	7785	0.01%	0.000%
139	10.447	10.427	10.463	VV	365	3867	0.00%	0.000%
140	10.517	10.463	10.530	PV	885	21548	0.03%	0.001%
141	10.557	10.530	10.581	VV	3359	52589	0.06%	0.002%

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142	10.604	10.581	10.619	VV	1571	24997	0.03%	0.001%
143	10.640	10.619	10.681	VV	2418	46562		
144	10.702	10.681	10.732	VV	979	14389		
145	10.767	10.732	10.782	PV	502	6112		
146	10.839	10.782	10.857	VV	1405	24174		
147	10.908	10.857	10.944	VV	12645	186163		
148	10.979	10.944	11.008	VV	6065	96024	0.11%	0.004%
149	11.033	11.008	11.058	VV	1692	27699	0.03%	0.001%
150	11.130	11.058	11.145	VV	482	12312	0.01%	0.000%
151	11.156	11.145	11.172	VV	293	3206	0.00%	0.000%
152	11.202	11.172	11.216	PV	2303	30967	0.04%	0.001%
153	11.231	11.216	11.265	VV	1800	38691	0.05%	0.001%
154	11.308	11.265	11.346	VV	2793	83521	0.10%	0.003%
155	11.363	11.346	11.378	VV	1903	25838	0.03%	0.001%
156	11.417	11.378	11.451	VV	1626	54762	0.07%	0.002%
157	11.544	11.451	11.572	VV	12633	269171	0.32%	0.010%
158	11.612	11.572	11.662	VV	22616	448257	0.54%	0.017%
159	11.702	11.662	11.736	VV	17098	366772	0.44%	0.014%
160	11.773	11.736	11.786	VV	5205	139682	0.17%	0.005%
161	11.809	11.786	11.824	VV	6447	131355	0.16%	0.005%
162	11.919	11.824	11.950	VV	10291	652295	0.78%	0.025%
163	12.009	11.950	12.031	VV	13494	568110	0.68%	0.022%
164	12.076	12.031	12.085	VV	15430	455035	0.54%	0.018%
165	12.106	12.085	12.138	VV	18606	554032	0.66%	0.021%
166	12.169	12.138	12.192	VV	21241	624112	0.75%	0.024%
167	12.280	12.192	12.330	VV	38819	2370001	2.84%	0.091%
168	12.357	12.330	12.367	VV	30197	627781	0.75%	0.024%
169	12.413	12.367	12.458	VV	36517	1888418	2.26%	0.073%
170	12.510	12.458	12.517	VV	44680	1439934	1.72%	0.056%
171	12.539	12.517	12.568	VV	73051	1769902	2.12%	0.068%
172	12.593	12.568	12.611	VV	55127	1364637	1.63%	0.053%
173	12.711	12.611	12.728	VV	66213	4237639	5.07%	0.163%
174	12.791	12.728	12.820	VV	80467	4075977	4.88%	0.157%
175	12.864	12.820	12.899	VV	101734	4349148	5.21%	0.168%
176	12.928	12.899	12.955	VV	123561	3515257	4.21%	0.136%
177	12.978	12.955	12.995	VV	103833	2434131	2.91%	0.094%
178	13.034	12.995	13.048	VV	117186	3569392	4.27%	0.138%
179	13.074	13.048	13.098	VV	125561	3638555	4.36%	0.140%
180	13.201	13.098	13.223	VV	145032	9852510	11.79%	0.380%
181	13.261	13.223	13.274	VV	158982	4619105	5.53%	0.178%
182	13.379	13.274	13.405	VV	713099	20277644	24.27%	0.782%
183	13.429	13.405	13.455	VV	234530	6463433	7.74%	0.249%
184	13.478	13.455	13.496	VV	220849	5300119	6.34%	0.204%
185	13.511	13.496	13.526	VV	213495	3757961	4.50%	0.145%
186	13.549	13.526	13.568	VV	229931	5554754	6.65%	0.214%
187	13.592	13.568	13.606	VV	240469	5312064	6.36%	0.205%
188	13.619	13.606	13.631	VV	239570	3531039	4.23%	0.136%
189	13.709	13.631	13.730	VV	275160	14870254	17.80%	0.573%
190	13.774	13.730	13.797	VV	333004	11929903	14.28%	0.460%
191	13.819	13.797	13.838	VV	309476	7273690	8.71%	0.280%
192	13.861	13.838	13.879	VV	314236	7639425	9.14%	0.295%
193	13.984	13.879	14.008	VV	351949	25152538	30.11%	0.970%
194	14.050	14.008	14.069	VV	379196	13244306	15.85%	0.511%

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195	14.082	14.069	14.108	VV	368652	8440007	10.10%	0.325%
196	14.133	14.108	14.158	VV	394079	11375771	13	
197	14.189	14.158	14.214	VV	397789	12705588	15	
198	14.281	14.214	14.309	VV	430000	23107857	27	
199	14.372	14.309	14.401	VV	515222	25137939	30	
200	14.445	14.401	14.481	VV	481771	22219393	26	
201	14.524	14.481	14.565	VV	503599	24030789	28.77%	0.927%
202	14.612	14.565	14.631	VV	500743	19190887	22.97%	0.740%
203	14.650	14.631	14.675	VV	522769	13426482	16.07%	0.518%
204	14.702	14.675	14.719	VV	510676	13202762	15.80%	0.509%
205	14.773	14.719	14.801	VV	545111	25955860	31.07%	1.001%
206	14.831	14.801	14.861	VV	611759	20591587	24.65%	0.794%
207	14.870	14.861	14.885	VV	547640	7725194	9.25%	0.298%
208	14.896	14.885	14.924	VV	547956	12541468	15.01%	0.484%
209	14.957	14.924	14.985	VV	601125	21023429	25.17%	0.811%
210	14.992	14.985	15.031	VV	569326	15292747	18.31%	0.590%
211	15.056	15.031	15.064	VV	559501	11137305	13.33%	0.429%
212	15.089	15.064	15.109	VV	577544	15422886	18.46%	0.595%
213	15.166	15.109	15.215	VV	613954	36930701	44.21%	1.424%
214	15.246	15.215	15.258	VV	601464	15253882	18.26%	0.588%
215	15.290	15.258	15.312	VV	622999	19548828	23.40%	0.754%
216	15.317	15.312	15.358	VV	608539	16609292	19.88%	0.640%
217	15.388	15.358	15.421	VV	651955	22873475	27.38%	0.882%
218	15.447	15.421	15.468	VV	611231	17025325	20.38%	0.657%
219	15.496	15.468	15.544	VV	640542	28264744	33.83%	1.090%
220	15.578	15.544	15.638	VV	638356	34500386	41.30%	1.330%
221	15.684	15.638	15.744	VV	660486	39772084	47.61%	1.534%
222	15.788	15.744	15.884	VV	797864	56837350	68.04%	2.192%
223	15.910	15.884	15.936	VV	654128	19463695	23.30%	0.751%
224	15.951	15.936	15.961	VV	610371	9092893	10.88%	0.351%
225	15.994	15.961	16.011	VV	650785	19327644	23.14%	0.745%
226	16.029	16.011	16.048	VV	657173	14327637	17.15%	0.552%
227	16.083	16.048	16.132	VV	748383	34428055	41.21%	1.328%
228	16.157	16.132	16.201	VV	656016	26961025	32.27%	1.040%
229	16.230	16.201	16.242	VV	662195	15693361	18.79%	0.605%
230	16.250	16.242	16.256	VV	660853	5820079	6.97%	0.224%
231	16.311	16.256	16.348	VV	708763	37185565	44.51%	1.434%
232	16.370	16.348	16.394	VV	644044	17387884	20.81%	0.670%
233	16.429	16.394	16.437	VV	656920	16646879	19.93%	0.642%
234	16.477	16.437	16.507	VV	748355	29857054	35.74%	1.151%
235	16.517	16.507	16.533	VV	687108	10297370	12.33%	0.397%
236	16.597	16.533	16.622	VV	762207	38433676	46.01%	1.482%
237	16.641	16.622	16.689	VV	748521	28231941	33.79%	1.089%
238	16.720	16.689	16.743	VV	703839	22233658	26.61%	0.857%
239	16.762	16.743	16.798	VV	720901	22976295	27.50%	0.886%
240	16.809	16.798	16.828	VV	676491	11725533	14.04%	0.452%
241	16.882	16.828	16.895	VV	707446	27645336	33.09%	1.066%
242	16.935	16.895	16.945	VV	732356	21665752	25.93%	0.835%
243	16.980	16.945	17.009	VV	786007	28856173	34.54%	1.113%
244	17.027	17.009	17.047	VV	757996	16794472	20.10%	0.648%
245	17.089	17.047	17.143	VV	802484	43716649	52.33%	1.686%
246	17.226	17.143	17.237	VV	856395	43573409	52.16%	1.680%

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247	17.258	17.237	17.280	VV	927761	23106327	27.66%	0.891%
248	17.319	17.280	17.333	VV	850639	26321494	31	
249	17.363	17.333	17.387	VV	988595	29197522	34	
250	17.500	17.387	17.526	VV	1099819	83541233	100	
251	17.557	17.526	17.605	VV	1087213	48438005	57	
252	17.634	17.605	17.667	VV	1161163	39849615	47	
253	17.687	17.667	17.722	VV	1055808	32317438	38.68%	1.246%
254	17.759	17.722	17.778	VV	958484	31192179	37.34%	1.203%
255	17.800	17.778	17.853	VV	1003511	41688096	49.90%	1.608%
256	17.880	17.853	17.918	VV	858278	32374746	38.75%	1.248%
257	17.930	17.918	17.965	VV	770505	20925079	25.05%	0.807%
258	17.986	17.965	18.005	VV	742821	17093132	20.46%	0.659%
259	18.031	18.005	18.083	VV	766911	34178167	40.91%	1.318%
260	18.112	18.083	18.152	VV	717426	28328195	33.91%	1.092%
261	18.175	18.152	18.219	VV	645505	24637631	29.49%	0.950%
262	18.277	18.219	18.362	VV	831282	56232882	67.31%	2.168%
263	18.378	18.362	18.395	VV	592824	11673694	13.97%	0.450%
264	18.411	18.395	18.448	VV	583299	18087040	21.65%	0.697%
265	18.474	18.448	18.521	VV	643024	25582440	30.62%	0.986%
266	18.534	18.521	18.562	VV	559459	13087699	15.67%	0.505%
267	18.602	18.562	18.612	VV	554286	16053518	19.22%	0.619%
268	18.639	18.612	18.732	VV	785034	40268307	48.20%	1.553%
269	18.754	18.732	18.768	VV	492792	10598988	12.69%	0.409%
270	18.799	18.768	18.881	VV	528634	33785249	40.44%	1.303%
271	18.916	18.881	18.924	VV	480060	12327234	14.76%	0.475%
272	18.938	18.924	19.027	VV	480033	27839930	33.32%	1.074%
273	19.056	19.027	19.081	VV	535140	15600865	18.67%	0.602%
274	19.106	19.081	19.174	VV	505850	25471750	30.49%	0.982%
275	19.195	19.174	19.218	VV	431834	11470570	13.73%	0.442%
276	19.235	19.218	19.285	VV	442217	17005701	20.36%	0.656%
277	19.294	19.285	19.318	VV	415379	8201380	9.82%	0.316%
278	19.342	19.318	19.368	VV	442281	13020205	15.59%	0.502%
279	19.384	19.368	19.420	VV	436820	12768593	15.28%	0.492%
280	19.451	19.420	19.481	VV	410404	14167661	16.96%	0.546%
281	19.535	19.481	19.619	VV	413637	31319411	37.49%	1.208%
282	19.630	19.619	19.695	VV	365080	16108651	19.28%	0.621%
283	19.758	19.695	19.817	VV	454653	27573983	33.01%	1.063%
284	19.854	19.817	19.884	VV	344518	13241260	15.85%	0.511%
285	19.950	19.884	19.988	VV	326969	19858656	23.77%	0.766%
286	20.004	19.988	20.071	VV	318333	15329008	18.35%	0.591%
287	20.145	20.071	20.200	VV	355793	24717880	29.59%	0.953%
288	20.241	20.200	20.298	VV	292819	16633694	19.91%	0.641%
289	20.318	20.298	20.331	VV	270737	5245078	6.28%	0.202%
290	20.362	20.331	20.388	VV	295998	9599140	11.49%	0.370%
291	20.411	20.388	20.482	VV	282134	14977665	17.93%	0.578%
292	20.499	20.482	20.518	VV	261923	5519155	6.61%	0.213%
293	20.535	20.518	20.593	VV	267919	11382917	13.63%	0.439%
294	20.636	20.593	20.709	VV	257350	17152298	20.53%	0.661%
295	20.719	20.709	20.785	VV	240099	10144789	12.14%	0.391%
296	20.808	20.785	20.862	VV	215239	9445548	11.31%	0.364%
297	20.875	20.862	20.885	VV	191848	2627988	3.15%	0.101%
298	20.929	20.885	20.999	VV	204873	13091734	15.67%	0.505%
299	21.035	20.999	21.128	VV	190842	13528247	16.19%	0.522%

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300	21.138	21.128	21.243	VV	159438	10378382	12.42%	0.400%
301	21.268	21.243	21.356	VV	140534	8836586	10	
302	21.371	21.356	21.473	VV	122541	8212297	9	
303	21.481	21.473	21.604	VV	112201	8046718	9	
304	21.620	21.604	21.676	VV	99659	4006055	4	
305	21.685	21.676	21.704	VV	86794	1443539	1	
306	21.718	21.704	21.802	VV	87619	4879743	5.84%	0.188%
307	21.812	21.802	21.821	VV	75965	886165	1.06%	0.034%
308	21.836	21.821	21.884	VV	76055	2711237	3.25%	0.105%
309	21.896	21.884	21.962	VV	70845	3096234	3.71%	0.119%
310	21.971	21.962	22.056	VV	61690	3337715	4.00%	0.129%
311	22.112	22.056	22.185	VV	69731	4496271	5.38%	0.173%
312	22.196	22.185	22.254	VV	48265	1882618	2.25%	0.073%
313	22.270	22.254	22.323	VV	46601	1781294	2.13%	0.069%
314	22.331	22.323	22.339	VV	39830	383737	0.46%	0.015%
315	22.348	22.339	22.376	VV	39679	869658	1.04%	0.034%
316	22.393	22.376	22.536	VV	38978	3162108	3.79%	0.122%
317	22.551	22.536	22.589	VV	29965	899558	1.08%	0.035%
318	22.607	22.589	22.637	VV	27936	772907	0.93%	0.030%
319	22.654	22.637	22.835	VV	27251	2490745	2.98%	0.096%
320	22.844	22.835	22.895	VV	15736	523682	0.63%	0.020%
321	22.904	22.895	22.958	VV	14171	469171	0.56%	0.018%
322	22.964	22.958	23.054	VV	11714	567093	0.68%	0.022%
323	23.065	23.054	23.108	VV	7857	204808	0.25%	0.008%
324	23.118	23.108	23.228	VV	6192	258784	0.31%	0.010%
325	23.253	23.228	23.260	PV	2369	26266	0.03%	0.001%
326	23.310	23.260	23.337	VBA	3810	94560	0.11%	0.004%

Sum of corrected areas: 2593299397

Aliphatic EPH 031725.M Thu Mar 20 14:22:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015516.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:59
Operator : YP\AJ
Sample : Q1574-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC1

Integration File: autoint1.e
Quant Time: Mar 21 01:00:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.968	6217170	50.896 ug/ml
Spiked Amount 50.000		Recovery = 101.79%	
6) S 2-Flurobiphenyl (SURR)	8.845	3950549	47.794 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery = 95.59%	
11) S ortho-Terphenyl (SURR)	11.938	4104130	28.143 ug/ml
Spiked Amount 50.000		Recovery = 56.29%	
Target Compounds			

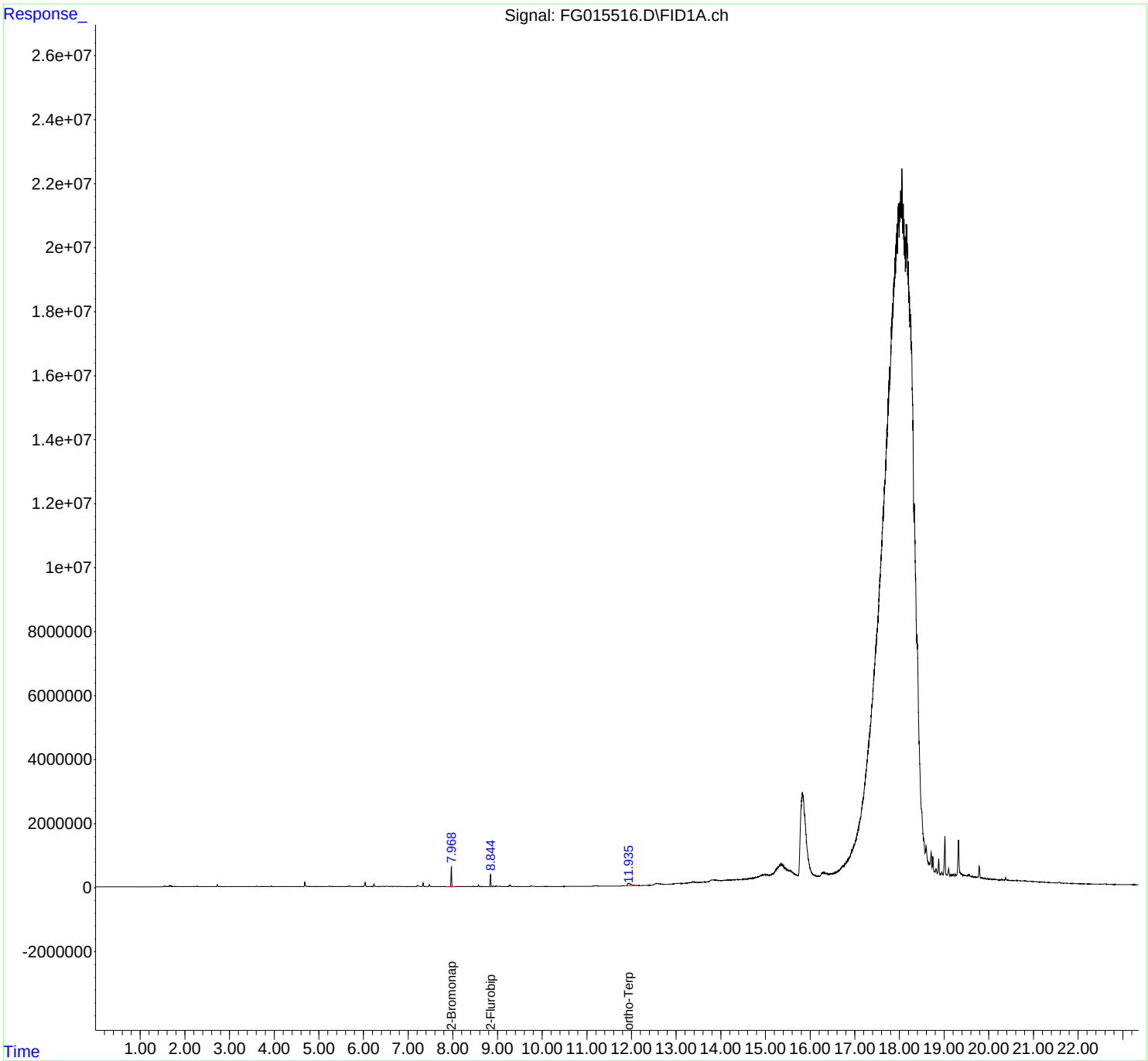
(f)=RT Delta > 1/2 Window (m)=manual int.

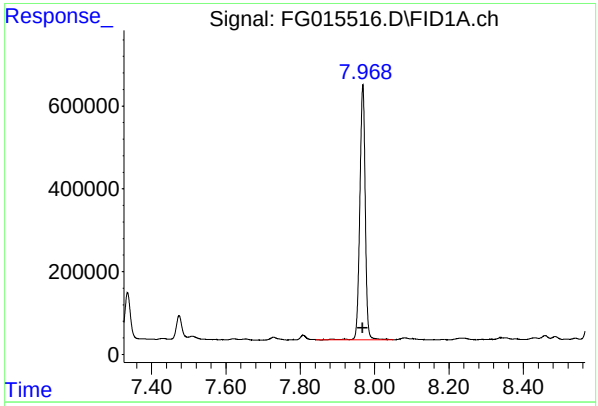
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015516.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:59
Operator : YP\AJ
Sample : Q1574-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC1

Integration File: autoint1.e
Quant Time: Mar 21 01:00:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

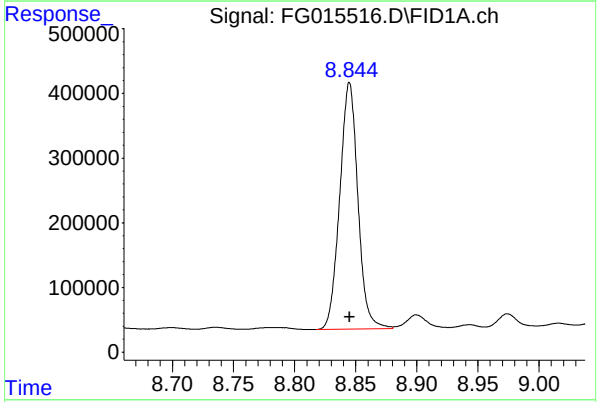




#4 2-Bromonaphthalene (SURR)

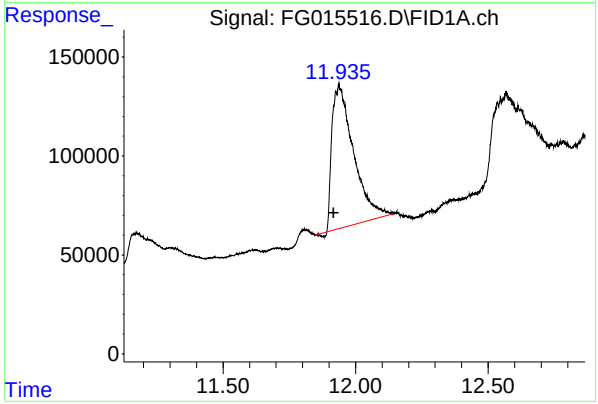
R.T.: 7.968 min
Delta R.T.: 0.000 min
Response: 6217170
Conc: 50.90 ug/ml

Instrument :
FID_G
ClientSampleId :
WC1



#6 2-Flurobiphenyl (SURR)

R.T.: 8.845 min
Delta R.T.: 0.000 min
Response: 3950549
Conc: 47.79 ug/ml



#11 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: 0.020 min
Response: 4104130
Conc: 28.14 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015516.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:59
Sample : Q1574-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.352	4.341	4.372	PV	268	2398	0.00%	0.000%
2	4.383	4.372	4.398	PV	347	3189	0.00%	0.000%
3	4.459	4.398	4.500	VV	1099	25240	0.00%	0.000%
4	4.523	4.500	4.541	PV	3581	41886	0.00%	0.000%
5	4.559	4.541	4.582	VV	6556	75580	0.00%	0.001%
6	4.599	4.582	4.611	VV	1370	16787	0.00%	0.000%
7	4.632	4.611	4.664	VV	3254	62770	0.00%	0.001%
8	4.687	4.664	4.761	VV	143212	1778881	0.04%	0.017%
9	4.775	4.761	4.792	VV	7183	97875	0.00%	0.001%
10	4.808	4.792	4.827	VV	8742	111564	0.00%	0.001%
11	4.841	4.827	4.863	VV	3056	52160	0.00%	0.000%
12	4.893	4.863	4.926	VV	9274	188681	0.00%	0.002%
13	4.942	4.926	4.967	VV	6630	102612	0.00%	0.001%
14	4.987	4.967	5.006	VV	2353	48160	0.00%	0.000%
15	5.024	5.006	5.065	VV	10366	141498	0.00%	0.001%
16	5.105	5.065	5.122	VV	2959	55965	0.00%	0.001%
17	5.138	5.122	5.153	VV	1795	28190	0.00%	0.000%
18	5.181	5.153	5.193	VV	4371	74934	0.00%	0.001%
19	5.201	5.193	5.210	VV	3603	34512	0.00%	0.000%
20	5.229	5.210	5.261	VV	20600	308514	0.01%	0.003%
21	5.279	5.261	5.300	VV	8511	143661	0.00%	0.001%
22	5.313	5.300	5.333	VV	8595	99960	0.00%	0.001%
23	5.347	5.333	5.359	VV	2761	31088	0.00%	0.000%
24	5.370	5.359	5.398	VV	2847	45738	0.00%	0.000%
25	5.414	5.398	5.449	VV	2194	42919	0.00%	0.000%
26	5.471	5.449	5.501	VV	11263	136851	0.00%	0.001%
27	5.522	5.501	5.566	VV	6460	108864	0.00%	0.001%
28	5.576	5.566	5.582	VV	1575	12612	0.00%	0.000%
29	5.605	5.582	5.640	VV	4916	94279	0.00%	0.001%
30	5.661	5.640	5.677	VV	18568	217228	0.00%	0.002%
31	5.694	5.677	5.727	VV	27380	373627	0.01%	0.004%
32	5.746	5.727	5.810	VV	6173	155546	0.00%	0.001%
33	5.825	5.810	5.842	VV	3665	41055	0.00%	0.000%
34	5.860	5.842	5.878	VV	5648	72430	0.00%	0.001%
35	5.892	5.878	5.905	VV	4091	52362	0.00%	0.000%
36	5.913	5.905	5.936	VV	3143	44463	0.00%	0.000%

rteres

37	5.957	5.936	5.971	VV	12240	141868	0.00%	0.001%
38	5.983	5.971	5.999	VV	9575	112271	0.00%	0.001%
39	6.037	5.999	6.082	VV	133587	1815506	0.04%	0.017%
40	6.092	6.082	6.124	VV	5050	108077	0.00%	0.001%
41	6.143	6.124	6.169	VV	10307	159155	0.00%	0.002%
42	6.203	6.169	6.217	VV	7322	150550	0.00%	0.001%
43	6.236	6.217	6.264	VV	87649	959819	0.02%	0.009%
44	6.278	6.264	6.322	VV	9746	193929	0.00%	0.002%
45	6.349	6.322	6.367	VV	9254	136489	0.00%	0.001%
46	6.402	6.367	6.413	VV	9217	181662	0.00%	0.002%
47	6.425	6.413	6.434	VV	9608	110843	0.00%	0.001%
48	6.442	6.434	6.460	VV	9561	120218	0.00%	0.001%
49	6.511	6.460	6.554	VV	16328	560651	0.01%	0.005%
50	6.566	6.554	6.602	VV	8266	177129	0.00%	0.002%
51	6.618	6.602	6.626	VV	6995	81147	0.00%	0.001%
52	6.637	6.626	6.668	VV	7456	138401	0.00%	0.001%
53	6.703	6.668	6.713	VV	10171	175506	0.00%	0.002%
54	6.725	6.713	6.754	VV	12276	191276	0.00%	0.002%
55	6.764	6.754	6.770	VV	3591	33840	0.00%	0.000%
56	6.791	6.770	6.799	VV	6164	85030	0.00%	0.001%
57	6.816	6.799	6.837	VV	9328	159950	0.00%	0.002%
58	6.855	6.837	6.883	VV	7291	131266	0.00%	0.001%
59	6.905	6.883	6.920	VV	4754	76359	0.00%	0.001%
60	6.931	6.920	6.951	VV	3687	44050	0.00%	0.000%
61	6.986	6.951	7.010	VV	5908	92074	0.00%	0.001%
62	7.051	7.010	7.078	VV	4078	85039	0.00%	0.001%
63	7.086	7.078	7.094	VV	1191	10165	0.00%	0.000%
64	7.140	7.094	7.173	VV	4136	116684	0.00%	0.001%
65	7.207	7.173	7.309	VV	41355	1036617	0.02%	0.010%
66	7.336	7.309	7.397	VV	115429	1310738	0.03%	0.012%
67	7.402	7.397	7.413	VV	2670	22694	0.00%	0.000%
68	7.431	7.413	7.448	VV	4468	69627	0.00%	0.001%
69	7.474	7.448	7.498	VV	59863	674487	0.01%	0.006%
70	7.510	7.498	7.581	VV	9753	202865	0.00%	0.002%
71	7.590	7.581	7.603	VV	1462	17659	0.00%	0.000%
72	7.621	7.603	7.638	VV	3615	48624	0.00%	0.000%
73	7.653	7.638	7.677	VV	2999	40157	0.00%	0.000%
74	7.689	7.677	7.705	VV	565	7540	0.00%	0.000%
75	7.728	7.705	7.765	VV	6987	108002	0.00%	0.001%
76	7.781	7.765	7.789	VV	1289	13830	0.00%	0.000%
77	7.808	7.789	7.857	VV	12143	153518	0.00%	0.001%
78	7.886	7.857	7.903	VV	2553	40741	0.00%	0.000%
79	7.919	7.903	7.935	VV	2774	37973	0.00%	0.000%
80	7.968	7.935	8.025	VV	620304	6240621	0.12%	0.059%
81	8.031	8.025	8.055	VV	2035	29335	0.00%	0.000%
82	8.080	8.055	8.097	VV	5566	88115	0.00%	0.001%
83	8.102	8.097	8.151	VV	3589	58721	0.00%	0.001%
84	8.160	8.151	8.171	VV	1131	12323	0.00%	0.000%
85	8.185	8.171	8.201	VV	1482	22186	0.00%	0.000%
86	8.239	8.201	8.276	VV	4825	121795	0.00%	0.001%
87	8.290	8.276	8.302	VV	1900	23762	0.00%	0.000%
88	8.316	8.302	8.321	VV	1995	19179	0.00%	0.000%
89	8.340	8.321	8.347	VV	5723	64414	0.00%	0.001%

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90	8.353	8.347	8.370	VV	5470	58286	0.00%	0.001%
91	8.378	8.370	8.399	VV	2925	39139	0.00%	0.000%
92	8.430	8.399	8.442	VV	5626	89965	0.00%	0.001%
93	8.458	8.442	8.473	VV	10919	134782	0.00%	0.001%
94	8.485	8.473	8.505	VV	8451	102942	0.00%	0.001%
95	8.515	8.505	8.524	VV	2108	23005	0.00%	0.000%
96	8.539	8.524	8.554	VV	4521	55149	0.00%	0.001%
97	8.576	8.554	8.602	VV	57170	623888	0.01%	0.006%
98	8.641	8.602	8.680	VV	4759	145200	0.00%	0.001%
99	8.698	8.680	8.718	VV	3007	43883	0.00%	0.000%
100	8.735	8.718	8.759	VV	3631	46237	0.00%	0.000%
101	8.787	8.759	8.816	VV	3195	60980	0.00%	0.001%
102	8.845	8.816	8.880	PV	382907	3982759	0.08%	0.038%
103	8.900	8.880	8.926	VV	22914	293704	0.01%	0.003%
104	8.943	8.926	8.956	VV	7397	94079	0.00%	0.001%
105	8.974	8.956	8.999	VV	24163	314163	0.01%	0.003%
106	9.016	8.999	9.031	VV	9791	147817	0.00%	0.001%
107	9.049	9.031	9.076	VV	15002	238701	0.00%	0.002%
108	9.084	9.076	9.112	VV	4218	77804	0.00%	0.001%
109	9.128	9.112	9.154	VV	5420	100998	0.00%	0.001%
110	9.167	9.154	9.179	VV	3541	48715	0.00%	0.000%
111	9.189	9.179	9.209	VV	3361	49000	0.00%	0.000%
112	9.232	9.209	9.247	VV	4342	79484	0.00%	0.001%
113	9.270	9.247	9.282	VV	56328	605888	0.01%	0.006%
114	9.289	9.282	9.336	VV	37928	446751	0.01%	0.004%
115	9.385	9.336	9.438	VV	6135	211179	0.00%	0.002%
116	9.459	9.438	9.490	VV	5726	66791	0.00%	0.001%
117	9.514	9.490	9.536	PV	2324	30819	0.00%	0.000%
118	9.552	9.536	9.557	VV	2063	19272	0.00%	0.000%
119	9.562	9.557	9.582	VV	2162	21122	0.00%	0.000%
120	9.595	9.582	9.617	VV	929	12465	0.00%	0.000%
121	9.653	9.617	9.684	PV	1739	24239	0.00%	0.000%
122	9.751	9.684	9.802	PV	31517	577367	0.01%	0.005%
123	9.813	9.802	9.831	VV	6176	91078	0.00%	0.001%
124	9.837	9.831	9.870	VV	4149	72159	0.00%	0.001%
125	9.884	9.870	9.907	VV	2471	41583	0.00%	0.000%
126	9.919	9.907	9.932	VV	1738	20681	0.00%	0.000%
127	9.946	9.932	9.963	VV	1619	22962	0.00%	0.000%
128	9.990	9.963	10.006	VV	3606	62126	0.00%	0.001%
129	10.020	10.006	10.047	VV	4743	80329	0.00%	0.001%
130	10.065	10.047	10.075	VV	2759	39174	0.00%	0.000%
131	10.094	10.075	10.137	VV	3177	84986	0.00%	0.001%
132	10.161	10.137	10.211	VV	2879	64793	0.00%	0.001%
133	10.229	10.211	10.235	VV	707	7645	0.00%	0.000%
134	10.243	10.235	10.251	VV	682	5408	0.00%	0.000%
135	10.257	10.251	10.277	VV	610	7519	0.00%	0.000%
136	10.296	10.277	10.300	VV	832	6946	0.00%	0.000%
137	10.309	10.300	10.316	VV	757	6343	0.00%	0.000%
138	10.336	10.316	10.341	VV	768	9921	0.00%	0.000%
139	10.344	10.341	10.370	VV	643	7446	0.00%	0.000%
140	10.390	10.370	10.411	VV	474	6553	0.00%	0.000%
141	10.519	10.424	10.532	VV	1463	40412	0.00%	0.000%

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142	10.546	10.532	10.564	VV	1034	15562	0.00%	0.000%
143	10.637	10.564	10.656	VV	2257	82887	0.00%	0.001%
144	10.677	10.656	10.728	VV	2251	62230	0.00%	0.001%
145	10.749	10.728	10.767	VV	914	15378	0.00%	0.000%
146	10.848	10.767	10.864	VV	2870	101750	0.00%	0.001%
147	10.870	10.864	10.877	VV	2730	20126	0.00%	0.000%
148	10.887	10.877	10.892	VV	2742	22896	0.00%	0.000%
149	10.901	10.892	10.936	VV	2844	63235	0.00%	0.001%
150	10.956	10.936	10.961	VV	1895	23363	0.00%	0.000%
151	10.966	10.961	10.972	VV	2035	11704	0.00%	0.000%
152	11.010	10.972	11.015	VV	1913	45973	0.00%	0.000%
153	11.033	11.015	11.055	VV	2295	40693	0.00%	0.000%
154	11.058	11.055	11.065	VV	943	4466	0.00%	0.000%
155	11.173	11.065	11.278	VV	16074	1021617	0.02%	0.010%
156	11.299	11.278	11.305	VV	7214	113864	0.00%	0.001%
157	11.311	11.305	11.316	VV	7034	43641	0.00%	0.000%
158	11.321	11.316	11.386	VV	6936	174385	0.00%	0.002%
159	11.391	11.386	11.401	VV	2101	15997	0.00%	0.000%
160	11.403	11.401	11.429	VV	1474	15437	0.00%	0.000%
161	11.435	11.429	11.437	VV	476	1814	0.00%	0.000%
162	11.467	11.437	11.477	VV	847	12665	0.00%	0.000%
163	11.481	11.477	11.504	VV	415	4753	0.00%	0.000%
164	11.535	11.510	11.540	VV	696	9183	0.00%	0.000%
165	11.553	11.540	11.557	VV	1167	9105	0.00%	0.000%
166	11.599	11.557	11.603	VV	1999	39218	0.00%	0.000%
167	11.610	11.603	11.651	VV	2618	42534	0.00%	0.000%
168	11.713	11.651	11.746	VV	1369	49121	0.00%	0.000%
169	11.807	11.746	11.812	PV	8116	149530	0.00%	0.001%
170	11.815	11.812	11.847	VV	7809	121795	0.00%	0.001%
171	11.855	11.847	11.879	VV	3837	59681	0.00%	0.001%
172	11.936	11.879	12.102	VV	76840	4653750	0.09%	0.044%
173	12.109	12.102	12.132	VV	8056	120924	0.00%	0.001%
174	12.137	12.132	12.200	VV	5717	154424	0.00%	0.001%
175	12.205	12.200	12.210	VV	1587	6829	0.00%	0.000%
176	12.212	12.210	12.220	VV	951	3140	0.00%	0.000%
177	12.246	12.220	12.250	PV	592	5676	0.00%	0.000%
178	12.289	12.250	12.301	PV	1648	29804	0.00%	0.000%
179	12.415	12.301	12.418	PV	1715	152904	0.00%	0.001%
180	12.568	12.418	12.730	VV	47091	4477927	0.09%	0.042%
181	12.739	12.730	12.750	VV	12419	138246	0.00%	0.001%
182	12.783	12.750	12.817	VV	11210	393339	0.01%	0.004%
183	13.025	12.817	13.123	VV	30748	3447752	0.07%	0.033%
184	13.204	13.123	13.214	VV	22800	1068438	0.02%	0.010%
185	13.222	13.214	13.239	VV	20127	297860	0.01%	0.003%
186	13.377	13.239	13.516	VV	58601	6439649	0.13%	0.061%
187	13.820	13.516	13.917	VV	97770	14248121	0.28%	0.135%
188	13.925	13.917	13.981	VV	79182	2805968	0.06%	0.027%
189	13.983	13.981	14.004	VV	71669	974078	0.02%	0.009%
190	14.029	14.004	14.047	VV	71929	1790171	0.04%	0.017%
191	14.069	14.047	14.086	VV	72394	1628239	0.03%	0.015%
192	14.099	14.086	14.111	VV	74528	1058730	0.02%	0.010%
193	14.191	14.111	14.207	VV	77668	4238078	0.08%	0.040%
194	14.214	14.207	14.247	VV	76912	1733920	0.03%	0.016%

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195	14.264	14.247	14.274	VV	75370	1196905	0.02%	0.011%
196	14.296	14.274	14.304	VV	78492	1329984	0.03%	0.013%
197	14.378	14.304	14.412	VV	83418	4986841	0.10%	0.047%
198	14.429	14.412	14.447	VV	79168	1581788	0.03%	0.015%
199	14.518	14.447	14.527	VV	86742	3798058	0.08%	0.036%
200	14.547	14.527	14.569	VV	89872	2163077	0.04%	0.021%
201	14.781	14.569	14.792	VV	127253	13514038	0.27%	0.128%
202	14.829	14.792	14.837	VV	140363	3644220	0.07%	0.035%
203	14.939	14.837	14.950	VV	191678	11488520	0.23%	0.109%
204	14.975	14.950	15.017	VV	204390	7967195	0.16%	0.076%
205	15.045	15.017	15.089	VV	194116	7992426	0.16%	0.076%
206	15.351	15.089	15.732	VV	508303	118393978	2.35%	1.122%
207	15.827	15.732	16.167	VV	2740523	244620479	4.86%	2.319%
208	16.173	16.167	16.199	VV	96549	1719370	0.03%	0.016%
209	16.279	16.199	16.294	VV	206366	8310140	0.17%	0.079%
210	16.303	16.294	16.340	VV	199621	5257590	0.10%	0.050%
211	16.350	16.340	16.436	VV	180919	8946986	0.18%	0.085%
212	16.446	16.436	16.454	VV	146962	1594182	0.03%	0.015%
213	16.511	16.454	16.521	VV	164579	6000262	0.12%	0.057%
214	17.941	16.521	17.952	VV	20292624	5036234466	100.00%	47.748%
215	17.974	17.952	17.992	VV	20863356	489909667	9.73%	4.645%
216	18.057	17.992	18.076	VV	21738255	1043392866	20.72%	9.892%
217	18.085	18.076	18.094	VV	20973227	225022634	4.47%	2.133%
218	18.101	18.094	18.142	VV	20412764	570336236	11.32%	5.407%
219	18.161	18.142	18.237	VV	20140513	1070408401	21.25%	10.148%
220	18.247	18.237	18.322	VV	17503166	785002514	15.59%	7.443%
221	18.330	18.322	18.571	VV	11427143	716233653	14.22%	6.791%
222	18.597	18.571	18.684	VV	918830	37306923	0.74%	0.354%
223	18.709	18.684	18.731	VV	697257	14073647	0.28%	0.133%
224	18.747	18.731	18.790	VV	577300	9573564	0.19%	0.091%
225	18.819	18.790	18.849	VV	180268	4074583	0.08%	0.039%
226	18.878	18.849	18.929	VV	504284	6827906	0.14%	0.065%
227	18.948	18.929	18.979	VV	89796	1045194	0.02%	0.010%

Sum of corrected areas: 10547494057

Aromatic EPH 031725.M Fri Mar 21 01:53:19 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015703.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:56
Operator : YP\AJ
Sample : Q1574-01DL 10X
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 21 00:17:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Instrument :
FID_F
ClientSampleId :
WC1DL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.373	833744	7.346 ug/mlm
Spiked Amount 50.000		Recovery = 14.69%	
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

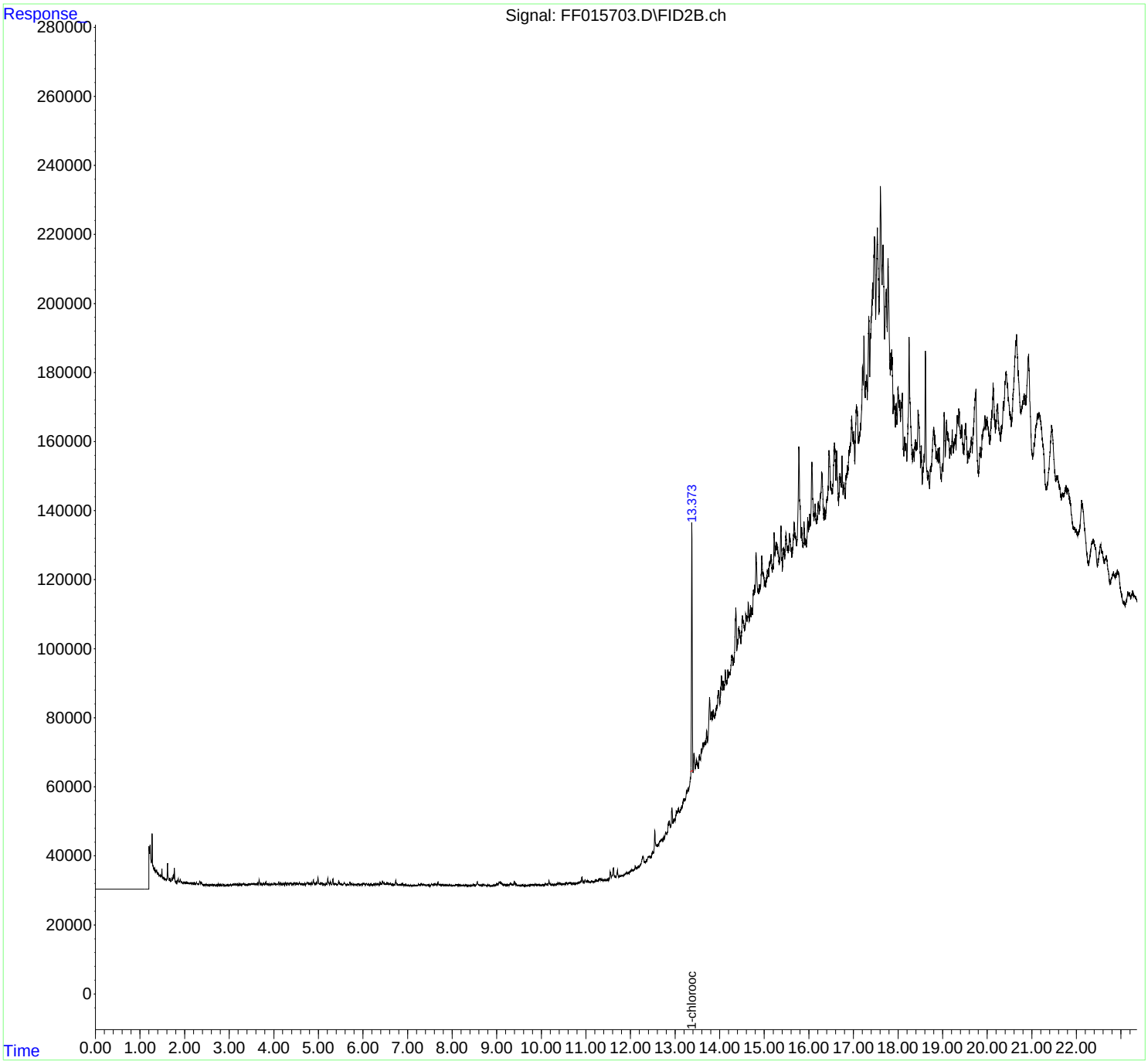
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015703.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:56
Operator : YP\AJ
Sample : Q1574-01DL 10X
Misc :
ALS Vial : 78 Sample Multiplier: 1

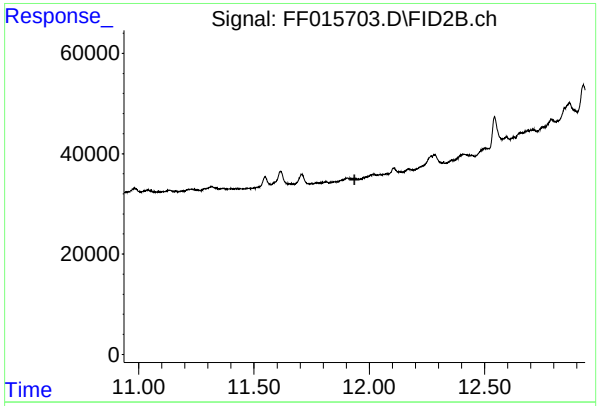
Instrument :
FID_F
ClientSampleId :
WC1DL

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 00:17:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





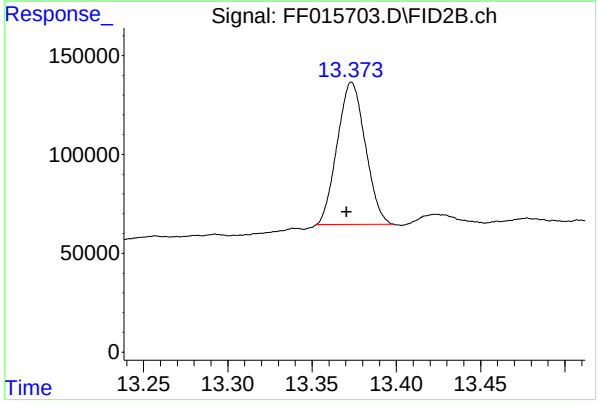
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.936 min
Response: 0
Conc: N.D.

Instrument :
FID_F
ClientSampleId :
WC1DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: 0.002 min
Response: 833744
Conc: 7.35 ug/ml m

Instrument :
FID_F
ClientSampleId :
WC1DL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03202
Data File : FF015703.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:56
Sample : Q1574-01DL 10X
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.859	2.801	2.883	BV	262	2880	0.04%	0.001%
2	2.899	2.883	2.911	PV	103	895	0.01%	0.000%
3	2.956	2.911	2.972	VV	190	3790	0.05%	0.001%
4	3.022	2.972	3.075	VV	241	9215	0.12%	0.003%
5	3.098	3.075	3.110	VV	327	5940	0.08%	0.002%
6	3.246	3.235	3.278	VV	335	7200	0.09%	0.003%
7	3.442	3.410	3.475	VV	423	13835	0.18%	0.005%
8	3.592	3.588	3.599	VV	410	2428	0.03%	0.001%
9	3.606	3.599	3.615	VV	382	3406	0.04%	0.001%
10	3.633	3.615	3.646	VV	535	8478	0.11%	0.003%
11	3.704	3.695	3.736	VV	436	9560	0.12%	0.004%
12	4.073	4.058	4.081	VV	396	5261	0.07%	0.002%
13	4.147	4.130	4.172	VV	629	12587	0.16%	0.005%
14	4.180	4.172	4.200	VV	443	6646	0.09%	0.003%
15	4.223	4.200	4.243	VV	506	10851	0.14%	0.004%
16	4.466	4.428	4.488	VV	768	19883	0.25%	0.007%
17	4.645	4.635	4.675	VV	545	10426	0.13%	0.004%
18	4.692	4.675	4.712	VV	598	10071	0.13%	0.004%
19	4.821	4.803	4.841	VV	602	12517	0.16%	0.005%
20	4.854	4.841	4.868	VV	787	10334	0.13%	0.004%
21	5.052	5.028	5.067	VV	744	14652	0.19%	0.006%
22	5.272	5.252	5.297	VV	1060	17783	0.23%	0.007%
23	5.391	5.356	5.427	VV	566	18243	0.23%	0.007%
24	5.496	5.488	5.545	VV	557	13986	0.18%	0.005%
25	5.645	5.625	5.674	VV	436	8954	0.11%	0.003%
26	5.748	5.734	5.765	VV	561	8101	0.10%	0.003%
27	5.828	5.818	5.846	VV	392	5794	0.07%	0.002%
28	5.855	5.846	5.869	VV	377	4168	0.05%	0.002%
29	6.001	5.981	6.051	VV	798	21674	0.28%	0.008%
30	6.116	6.108	6.124	VV	420	3432	0.04%	0.001%
31	6.185	6.161	6.214	VV	479	10230	0.13%	0.004%
32	6.336	6.311	6.360	VV	658	13927	0.18%	0.005%
33	6.684	6.659	6.708	VV	383	9529	0.12%	0.004%
34	6.854	6.838	6.871	VV	460	6828	0.09%	0.003%
35	6.888	6.871	6.909	VV	735	10537	0.13%	0.004%
36	6.960	6.940	6.999	VV	374	7707	0.10%	0.003%

Instrument :
FID_F
ClientSampleId :
WC1DL

Manual IntegrationsAPPROVED

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rteres

37	7.025	6.999	7.054	VV	262	5510	0.07%	0.002%
38	7.067	7.054	7.095	VV	171	2849		
39	7.103	7.095	7.115	VV	131	1167		
40	7.127	7.115	7.164	VV	162	2194		
41	7.197	7.164	7.210	PV	124	2604		
42	7.248	7.210	7.259	VV	404	6524		
43	7.268	7.259	7.288	VV	430	5665	0.07%	0.002%
44	7.355	7.331	7.394	VV	480	12477	0.16%	0.005%
45	7.414	7.394	7.433	VV	400	6176	0.08%	0.002%
46	7.538	7.500	7.567	VV	578	10863	0.14%	0.004%
47	7.772	7.759	7.805	VV	318	6290	0.08%	0.002%
48	7.814	7.805	7.831	VV	215	3156	0.04%	0.001%
49	7.859	7.831	7.908	VV	252	7865	0.10%	0.003%
50	7.946	7.908	7.984	VV	254	7815	0.10%	0.003%
51	7.997	7.984	8.008	VV	204	1971	0.03%	0.001%
52	8.022	8.008	8.037	VV	175	2488	0.03%	0.001%
53	8.210	8.198	8.235	VV	237	3702	0.05%	0.001%
54	8.255	8.235	8.298	VV	282	4815	0.06%	0.002%
55	8.311	8.298	8.347	VV	189	3311	0.04%	0.001%
56	8.381	8.347	8.410	VV	233	4623	0.06%	0.002%
57	8.474	8.410	8.514	VV	357	12563	0.16%	0.005%
58	8.707	8.636	8.788	VV	487	21703	0.28%	0.008%
59	8.803	8.788	8.884	VV	197	5488	0.07%	0.002%
60	8.927	8.884	8.945	PV	217	4349	0.06%	0.002%
61	8.951	8.945	8.961	VV	145	1394	0.02%	0.001%
62	9.101	9.092	9.205	VV	877	28794	0.37%	0.011%
63	9.216	9.205	9.244	VV	288	5369	0.07%	0.002%
64	9.256	9.244	9.267	VV	236	2744	0.04%	0.001%
65	9.475	9.461	9.505	VV	253	3960	0.05%	0.001%
66	9.520	9.505	9.540	VV	91	1523	0.02%	0.001%
67	9.575	9.540	9.615	VV	325	6433	0.08%	0.002%
68	9.618	9.615	9.647	VV	103	733	0.01%	0.000%
69	9.677	9.647	9.725	PV	85	1862	0.02%	0.001%
70	9.765	9.725	9.805	PV	298	7837	0.10%	0.003%
71	9.810	9.805	9.824	VV	154	1504	0.02%	0.001%
72	9.864	9.824	9.879	VV	218	5580	0.07%	0.002%
73	9.895	9.879	9.909	VV	288	3044	0.04%	0.001%
74	9.950	9.909	9.998	VV	235	5091	0.07%	0.002%
75	10.035	9.998	10.071	VV	210	4057	0.05%	0.002%
76	10.094	10.071	10.111	VV	488	6406	0.08%	0.002%
77	10.124	10.111	10.148	VV	315	5165	0.07%	0.002%
78	10.239	10.232	10.261	VV	184	2559	0.03%	0.001%
79	10.273	10.261	10.305	VV	143	2226	0.03%	0.001%
80	10.313	10.305	10.319	PV	69	500	0.01%	0.000%
81	10.399	10.319	10.421	VV	497	17789	0.23%	0.007%
82	10.436	10.421	10.474	VV	287	6295	0.08%	0.002%
83	10.519	10.474	10.537	VV	231	5778	0.07%	0.002%
84	10.559	10.537	10.587	VV	507	9058	0.12%	0.003%
85	10.647	10.587	10.691	VV	481	17693	0.23%	0.007%
86	10.704	10.691	10.745	VV	172	3208	0.04%	0.001%
87	10.770	10.745	10.780	VV	164	1699	0.02%	0.001%
88	10.800	10.780	10.818	PV	286	4170	0.05%	0.002%
89	10.843	10.818	10.865	VV	394	7599	0.10%	0.003%

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Instrument :
FID_F
ClientSampleId :
WC1DL

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

90	10.911	10.865	10.940	VV	1804	32810	0.42%	0.012%
91	10.982	10.940	11.009	VV	921	19309		
92	11.039	11.009	11.078	VV	506	10757		
93	11.134	11.078	11.178	VV	328	6416		
94	11.230	11.178	11.267	PV	389	10310		
95	11.316	11.267	11.355	VV	718	20515		
96	11.365	11.355	11.378	VV	288	3157	0.04%	0.001%
97	11.397	11.378	11.411	VV	163	2476	0.03%	0.001%
98	11.426	11.411	11.457	VV	111	2419	0.03%	0.001%
99	11.548	11.457	11.573	PV	2143	35757	0.46%	0.013%
100	11.615	11.573	11.665	VV	3041	64525	0.83%	0.024%
101	11.668	11.665	11.675	VV	348	1766	0.02%	0.001%
102	11.707	11.675	11.743	VV	2120	35336	0.45%	0.013%
103	11.772	11.743	11.784	VV	163	2967	0.04%	0.001%
104	11.812	11.784	11.831	VV	320	3978	0.05%	0.001%
105	11.905	11.831	11.957	PV	514	17073	0.22%	0.006%
106	12.018	11.957	12.031	PV	566	12040	0.15%	0.005%
107	12.106	12.031	12.142	VV	1201	25434	0.33%	0.010%
108	12.171	12.142	12.188	VV	508	8848	0.11%	0.003%
109	12.283	12.188	12.313	VV	2643	93307	1.19%	0.035%
110	12.320	12.313	12.335	VV	782	8687	0.11%	0.003%
111	12.411	12.335	12.458	VV	1812	92674	1.19%	0.035%
112	12.505	12.458	12.517	VV	2362	67425	0.86%	0.025%
113	12.543	12.517	12.578	VV	8309	180058	2.30%	0.068%
114	12.595	12.578	12.610	VV	3993	71801	0.92%	0.027%
115	12.658	12.610	12.671	VV	4354	144107	1.84%	0.054%
116	12.711	12.671	12.731	VV	4543	159882	2.05%	0.060%
117	12.789	12.731	12.808	VV	6163	237824	3.04%	0.090%
118	12.868	12.808	12.901	VV	8858	402542	5.15%	0.152%
119	12.928	12.901	12.953	VV	12014	288691	3.69%	0.109%
120	12.985	12.953	13.000	VV	8525	232333	2.97%	0.088%
121	13.042	13.000	13.051	VV	10418	295011	3.77%	0.111%
122	13.072	13.051	13.105	VV	10939	330789	4.23%	0.125%
123	13.293	13.105	13.302	VV	15339	1477355	18.90%	0.557%
124	13.374	13.302	13.403	VV	91473	1923758	24.61%	0.725%
125	13.424	13.403	13.453	VV	24490	661351	8.46%	0.249%
126	13.478	13.453	13.523	VV	22202	883701	11.31%	0.333%
127	13.543	13.523	13.560	VV	23068	490668	6.28%	0.185%
128	13.590	13.560	13.602	VV	24599	586551	7.50%	0.221%
129	13.619	13.602	13.641	VV	25935	589710	7.54%	0.222%
130	13.707	13.641	13.727	VV	29156	1355052	17.34%	0.511%
131	13.772	13.727	13.795	VV	38319	1312750	16.79%	0.495%
132	13.817	13.795	13.835	VV	33833	786174	10.06%	0.296%
133	13.857	13.835	13.878	VV	33597	852940	10.91%	0.322%
134	13.972	13.878	14.005	VV	38799	2643932	33.83%	0.997%
135	14.040	14.005	14.063	VV	42601	1382848	17.69%	0.521%
136	14.078	14.063	14.095	VV	40640	757755	9.69%	0.286%
137	14.126	14.095	14.159	VV	43701	1546929	19.79%	0.583%
138	14.181	14.159	14.201	VV	43171	1064000	13.61%	0.401%
139	14.222	14.201	14.235	VV	42437	839462	10.74%	0.316%
140	14.273	14.235	14.301	VV	46858	1797448	23.00%	0.678%
141	14.311	14.301	14.320	VV	45593	497934	6.37%	0.188%

8

Instrument :
FID_F
ClientSampleId :
WC1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

A B C D E F G H I J

rteres

142	14.361	14.320	14.388	VV	59661	2143933	27.43%	0.808%
143	14.430	14.388	14.474	VV	54003	2630621	33	
144	14.512	14.474	14.565	VV	56706	2922811	37	
145	14.587	14.565	14.613	VV	56340	1603585	20	
146	14.641	14.613	14.671	VV	59525	1964750	25	
147	14.690	14.671	14.702	VV	58409	1041668	13	
148	14.716	14.702	14.734	VV	57473	1087760	13.92%	0.410%
149	14.816	14.734	14.868	VV	72391	5101402	65.27%	1.923%
150	14.889	14.868	14.898	VV	62735	1107379	14.17%	0.418%
151	14.943	14.898	15.030	VV	70546	5124604	65.56%	1.932%
152	15.087	15.030	15.100	VV	66248	2719878	34.80%	1.025%
153	15.148	15.100	15.181	VV	69479	3272767	41.87%	1.234%
154	15.221	15.181	15.244	VV	75179	2630933	33.66%	0.992%
155	15.278	15.244	15.334	VV	72570	3772417	48.26%	1.422%
156	15.374	15.334	15.406	VV	76594	3030208	38.77%	1.142%
157	15.432	15.406	15.458	VV	69549	2103266	26.91%	0.793%
158	15.489	15.458	15.513	VV	73582	2319938	29.68%	0.875%
159	15.523	15.513	15.535	VV	69703	911341	11.66%	0.344%
160	15.563	15.535	15.624	VV	72951	3735408	47.79%	1.408%
161	15.672	15.624	15.722	VV	75423	4176540	53.43%	1.575%
162	15.776	15.722	15.831	VV	96690	5164065	66.07%	1.947%
163	15.840	15.831	15.871	VV	72493	1697824	21.72%	0.640%
164	15.891	15.871	15.945	VV	74134	3061845	39.17%	1.154%
165	15.975	15.945	15.991	VV	74369	1999431	25.58%	0.754%
166	16.018	15.991	16.034	VV	75344	1883693	24.10%	0.710%
167	16.067	16.034	16.118	VV	90195	4022984	51.47%	1.517%
168	16.140	16.118	16.171	VV	76661	2377784	30.42%	0.896%
169	16.215	16.171	16.231	VV	77978	2699573	34.54%	1.018%
170	16.289	16.231	16.335	VV	85338	4925109	63.01%	1.857%
171	16.350	16.335	16.374	VV	74400	1727490	22.10%	0.651%
172	16.453	16.374	16.524	VV	90276	7265225	92.95%	2.739%
173	16.574	16.524	16.608	VV	92168	4313789	55.19%	1.626%
174	16.623	16.608	16.667	VV	89339	2909269	37.22%	1.097%
175	16.697	16.667	16.728	VV	82408	2901637	37.12%	1.094%
176	16.742	16.728	16.775	VV	86775	2266330	28.99%	0.854%
177	16.788	16.775	16.817	VV	78893	1953134	24.99%	0.736%
178	16.862	16.817	16.871	VV	83621	2632080	33.67%	0.992%
179	16.915	16.871	16.928	VV	88360	2926052	37.43%	1.103%
180	16.961	16.928	16.998	VV	96847	3867336	49.48%	1.458%
181	17.009	16.998	17.029	VV	92561	1690715	21.63%	0.637%
182	17.067	17.029	17.115	VV	99536	4783835	61.20%	1.804%
183	17.204	17.115	17.218	VV	109345	5975508	76.45%	2.253%
184	17.235	17.218	17.261	VV	118345	2831547	36.23%	1.068%
185	17.293	17.261	17.310	VV	106769	3071317	39.29%	1.158%
186	17.344	17.310	17.364	VV	123428	3633515	46.49%	1.370%
187	17.431	17.364	17.441	VV	132201	5685886	72.74%	2.144%
188	17.472	17.441	17.499	VV	145424	4738504	60.62%	1.787%
189	17.534	17.499	17.575	VV	147397	6119583	78.29%	2.307%
190	17.606	17.575	17.640	VV	158443	5555708	71.08%	2.095%
191	17.662	17.640	17.697	VV	140680	4508039	57.67%	1.700%
192	17.733	17.697	17.755	VV	128665	4278867	54.74%	1.613%
193	17.778	17.755	17.825	VV	136640	5054704	64.67%	1.906%
194	17.838	17.825	17.850	VV	109263	1604124	20.52%	0.605%

Instrument :
FID_F
ClientSampleId :
WC1DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

rteres

195	17.860	17.850	17.891	VV	108400	2529910	32.37%	0.954%
196	17.905	17.891	17.941	VV	96030	2789136	35	
197	17.959	17.941	17.978	VV	93465	1983531	25	
198	18.000	17.978	18.057	VV	98218	4467981	57	
199	18.095	18.057	18.128	VV	96052	3769525	48	
200	18.145	18.128	18.162	VV	82924	1668217	21	
201	18.180	18.162	18.198	VV	81087	1700870	21.76%	0.641%
202	18.248	18.198	18.328	VV	111122	6814413	87.18%	2.569%
203	18.339	18.328	18.362	VV	77448	1571853	20.11%	0.593%
204	18.394	18.362	18.404	VV	80472	1963893	25.13%	0.740%
205	18.416	18.404	18.428	VV	79503	1135484	14.53%	0.428%
206	18.452	18.428	18.505	VV	87919	3778460	48.34%	1.425%
207	18.522	18.505	18.545	VV	77677	1744003	22.31%	0.658%
208	18.582	18.545	18.591	VV	74791	1957539	25.04%	0.738%
209	18.614	18.591	18.670	VV	104715	3762573	48.14%	1.419%
210	18.680	18.670	18.708	VV	69210	1504365	19.25%	0.567%
211	18.801	18.708	18.883	VV	81178	7816426	100.00%	2.947%
212	18.895	18.883	18.907	VV	73959	1049921	13.43%	0.396%
213	18.924	18.907	18.973	VV	74441	2729513	34.92%	1.029%
214	18.999	18.973	19.008	VV	69028	1423559	18.21%	0.537%
215	19.036	19.008	19.061	VV	83614	2433586	31.13%	0.918%
216	19.088	19.061	19.106	VV	81380	2107284	26.96%	0.795%
217	19.115	19.106	19.156	VV	77072	2258534	28.89%	0.852%
218	19.215	19.156	19.241	VV	77429	3716275	47.54%	1.401%

Sum of corrected areas: 265233893

Aliphatic EPH 031725.M Fri Mar 21 08:17:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015521.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 16:26
Operator : YP\AJ
Sample : Q1574-01DL 250X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC1DL

Integration File: autoint1.e
Quant Time: Mar 21 01:00:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds

Target Compounds

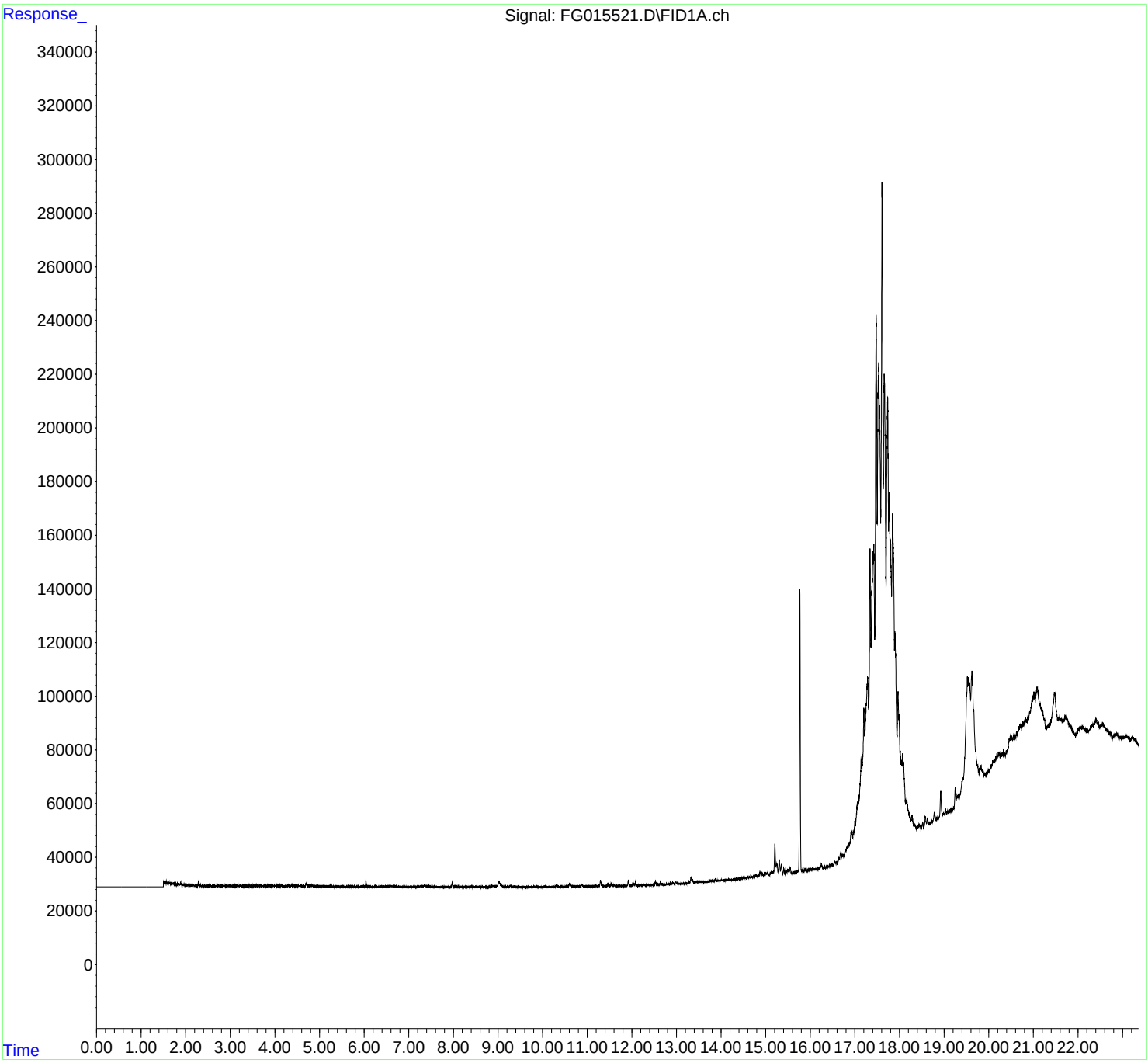
(f)=RT Delta > 1/2 Window (m)=manual int.

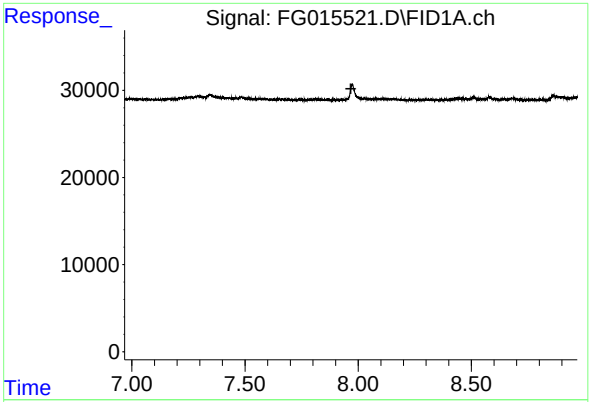
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015521.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 16:26
Operator : YP\AJ
Sample : Q1574-01DL 250X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC1DL

Integration File: autoint1.e
Quant Time: Mar 21 01:00:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

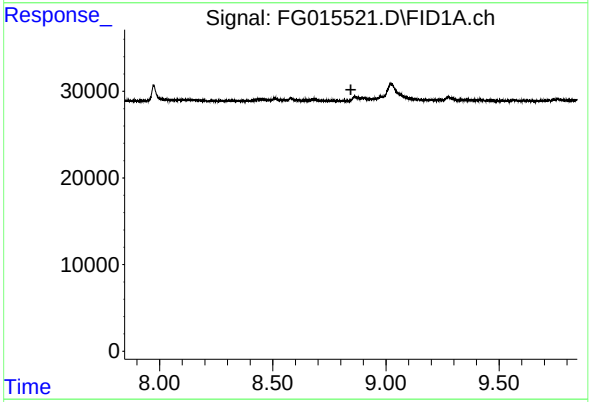




#4 2-Bromonaphthalene (SURR)

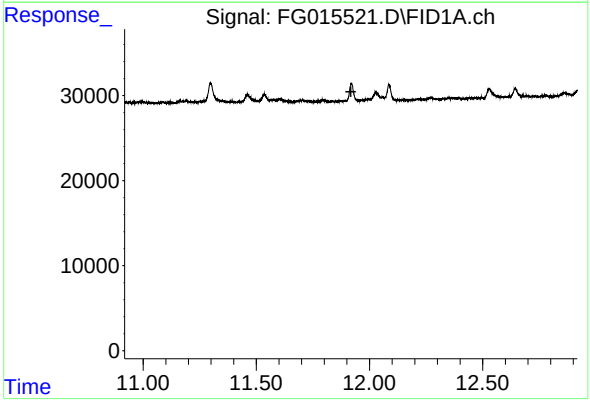
R.T.: 0.000 min
Exp R.T. : 7.968 min
Response: 0
Conc: N.D.

Instrument :
FID_G
ClientSampleId :
WC1DL



#6 2-Flurobiphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 8.845 min
Response: 0
Conc: N.D.



#11 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.918 min
Response: 0
Conc: N.D.

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015521.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 16:26
Sample : Q1574-01DL 250X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.301	4.287	4.330	PV	94	1448	0.02%	0.004%
2	4.475	4.455	4.485	VV	201	1841	0.03%	0.005%
3	4.520	4.509	4.536	VV	203	1981	0.03%	0.005%
4	4.561	4.557	4.575	VV	174	1441	0.02%	0.004%
5	4.646	4.627	4.652	VV	195	2018	0.03%	0.005%
6	4.779	4.776	4.785	VV	204	1038	0.01%	0.003%
7	4.914	4.907	4.929	VV	176	1769	0.02%	0.004%
8	4.947	4.938	4.952	VV	181	1032	0.01%	0.003%
9	5.157	5.152	5.170	VV	146	1045	0.01%	0.003%
10	5.177	5.170	5.220	VV	144	2572	0.04%	0.006%
11	5.232	5.220	5.237	VV	217	1486	0.02%	0.004%
12	5.243	5.237	5.254	VV	247	1396	0.02%	0.004%
13	5.318	5.289	5.322	VV	168	1986	0.03%	0.005%
14	5.387	5.381	5.412	VV	88	1278	0.02%	0.003%
15	5.480	5.473	5.587	VV	150	5505	0.08%	0.014%
16	5.592	5.587	5.619	VV	88	1518	0.02%	0.004%
17	5.623	5.619	5.649	VV	155	1162	0.02%	0.003%
18	5.668	5.657	5.685	VV	215	2232	0.03%	0.006%
19	5.781	5.769	5.789	VV	192	1079	0.01%	0.003%
20	5.793	5.789	5.822	VV	126	1494	0.02%	0.004%
21	5.860	5.833	5.890	VV	168	2777	0.04%	0.007%
22	5.898	5.890	5.928	VV	176	1943	0.03%	0.005%
23	5.934	5.928	5.952	VV	126	1462	0.02%	0.004%
24	5.961	5.952	5.985	VV	207	2713	0.04%	0.007%
25	5.989	5.985	6.002	VV	160	1092	0.01%	0.003%
26	6.096	6.093	6.109	VV	155	1227	0.02%	0.003%
27	6.860	6.847	6.919	VV	205	4665	0.06%	0.012%
28	6.936	6.919	6.982	VV	116	2854	0.04%	0.007%
29	6.991	6.982	7.024	VV	160	2557	0.04%	0.006%
30	7.034	7.024	7.046	VV	123	1016	0.01%	0.003%
31	7.066	7.046	7.082	VV	125	1530	0.02%	0.004%

rteres

32	7.165	7.119	7.175	VV	147	2715	0.04%	0.007%
33	7.186	7.175	7.195	VV	132	1234	0.02%	0.003%
34	7.667	7.647	7.709	VV	161	3427	0.05%	0.009%
35	7.739	7.723	7.767	VV	146	1971	0.03%	0.005%
36	7.785	7.767	7.796	VV	127	1326	0.02%	0.003%
37	7.812	7.796	7.855	VV	157	3575	0.05%	0.009%
38	7.865	7.855	7.888	VV	135	1515	0.02%	0.004%
39	8.229	8.215	8.257	VV	120	1794	0.02%	0.005%
40	8.272	8.257	8.284	PV	93	1390	0.02%	0.003%
41	8.329	8.284	8.355	VV	155	4450	0.06%	0.011%
42	8.366	8.355	8.393	VV	154	2109	0.03%	0.005%
43	8.747	8.733	8.774	VV	146	2429	0.03%	0.006%
44	8.783	8.774	8.808	VV	129	1988	0.03%	0.005%
45	8.816	8.808	8.837	VV	165	1706	0.02%	0.004%
46	9.669	9.658	9.685	PV	146	1498	0.02%	0.004%
47	10.255	10.215	10.261	PV	94	1665	0.02%	0.004%
48	10.382	10.374	10.400	VV	132	1680	0.02%	0.004%
49	10.518	10.507	10.531	VV	99	1120	0.02%	0.003%
50	10.727	10.700	10.742	VV	300	2798	0.04%	0.007%
51	10.940	10.937	10.960	VV	170	1830	0.03%	0.005%
52	11.089	11.048	11.102	VV	165	2993	0.04%	0.008%
53	11.113	11.102	11.142	VV	151	1881	0.03%	0.005%
54	11.794	11.782	11.824	VV	166	2965	0.04%	0.007%
55	12.154	12.134	12.169	VV	148	1486	0.02%	0.004%
56	12.272	12.252	12.312	VV	297	5611	0.08%	0.014%
57	12.495	12.475	12.504	VV	166	2250	0.03%	0.006%
58	13.071	13.061	13.105	VV	172	2289	0.03%	0.006%
59	13.148	13.105	13.164	PV	161	3318	0.05%	0.008%
60	13.560	13.551	13.633	VV	271	9295	0.13%	0.023%
61	13.660	13.633	13.695	PV	212	4377	0.06%	0.011%
62	13.712	13.695	13.732	PV	226	2627	0.04%	0.007%
63	13.768	13.732	13.779	VV	279	5036	0.07%	0.013%
64	13.828	13.779	13.840	VV	165	4742	0.07%	0.012%
65	13.876	13.840	13.902	VV	858	13245	0.18%	0.033%
66	13.940	13.902	13.974	VV	308	7639	0.10%	0.019%
67	14.018	13.974	14.040	VV	217	6126	0.08%	0.015%
68	14.064	14.040	14.100	VV	265	5708	0.08%	0.014%
69	14.126	14.100	14.135	VV	241	3136	0.04%	0.008%
70	14.166	14.135	14.185	VV	301	6298	0.09%	0.016%
71	14.208	14.185	14.242	VV	161	2806	0.04%	0.007%
72	14.280	14.242	14.299	PV	230	3322	0.05%	0.008%
73	14.361	14.299	14.373	VV	196	6002	0.08%	0.015%
74	14.385	14.373	14.407	VV	161	2047	0.03%	0.005%
75	14.430	14.407	14.442	VV	156	2285	0.03%	0.006%
76	14.486	14.442	14.502	VV	339	7705	0.11%	0.019%
77	14.542	14.502	14.578	VV	263	7870	0.11%	0.020%
78	14.630	14.578	14.650	PV	397	9555	0.13%	0.024%
79	14.680	14.650	14.707	VV	469	9713	0.13%	0.024%

rteres

80	14.733	14.707	14.752	VV	455	8764	0.12%	0.022%
81	14.779	14.752	14.798	VV	713	12453	0.17%	0.031%
82	14.830	14.798	14.852	VV	704	16471	0.23%	0.041%
83	14.874	14.852	14.899	VV	1619	26607	0.37%	0.067%
84	14.921	14.899	14.954	VV	1166	25453	0.35%	0.064%
85	14.977	14.954	14.994	VV	1620	22884	0.31%	0.058%
86	15.010	14.994	15.024	VV	1346	17618	0.24%	0.044%
87	15.040	15.024	15.077	VV	1046	21790	0.30%	0.055%
88	15.127	15.077	15.140	VV	1390	33841	0.46%	0.085%
89	15.154	15.140	15.167	VV	1203	18772	0.26%	0.047%
90	15.206	15.167	15.233	VV	11742	201710	2.77%	0.507%
91	15.247	15.233	15.278	VV	4246	86206	1.18%	0.217%
92	15.349	15.332	15.384	VV	3730	60585	0.83%	0.152%
93	15.405	15.384	15.428	VV	2125	29501	0.40%	0.074%
94	15.453	15.428	15.479	VV	1729	31768	0.44%	0.080%
95	15.498	15.479	15.525	VV	1671	33213	0.46%	0.083%
96	15.551	15.525	15.584	VV	2126	34967	0.48%	0.088%
97	15.611	15.584	15.644	PV	820	13004	0.18%	0.033%
98	15.654	15.644	15.663	VV	235	2295	0.03%	0.006%
99	15.703	15.663	15.715	VV	472	10214	0.14%	0.026%
100	15.767	15.715	15.815	VV	105390	1332072	18.28%	3.349%
101	15.837	15.815	15.857	VV	385	8617	0.12%	0.022%
102	15.876	15.857	15.925	VV	523	13970	0.19%	0.035%
103	16.060	15.925	16.099	PV	463	27780	0.38%	0.070%
104	16.135	16.099	16.149	VV	166	5255	0.07%	0.013%
105	16.250	16.149	16.291	VV	1669	39326	0.54%	0.099%
106	16.316	16.291	16.340	PV	330	3667	0.05%	0.009%
107	16.385	16.340	16.415	PV	296	5987	0.08%	0.015%
108	16.457	16.415	16.477	PV	489	11687	0.16%	0.029%
109	16.482	16.477	16.510	VV	425	4233	0.06%	0.011%
110	16.554	16.510	16.565	PV	971	13076	0.18%	0.033%
111	16.581	16.565	16.604	VV	738	11492	0.16%	0.029%
112	16.646	16.604	16.657	VV	1725	31839	0.44%	0.080%
113	16.677	16.657	16.723	VV	3238	93605	1.28%	0.235%
114	16.736	16.723	16.754	VV	2208	34767	0.48%	0.087%
115	16.786	16.754	16.803	VV	4030	92565	1.27%	0.233%
116	16.826	16.803	16.839	VV	4546	87822	1.21%	0.221%
117	16.930	16.839	16.950	VV	9444	453572	6.22%	1.140%
118	17.003	16.950	17.017	VV	13337	409632	5.62%	1.030%
119	17.140	17.017	17.159	VV	34251	1920954	26.36%	4.829%
120	17.202	17.159	17.222	VV	52915	1593782	21.87%	4.006%
121	17.286	17.222	17.305	VV	64382	2764184	37.94%	6.949%
122	17.424	17.360	17.445	VV	113129	5004233	68.68%	12.580%
123	17.535	17.502	17.580	VV	179555	7286464	100.00%	18.317%
124	17.659	17.637	17.698	VV	172804	5296236	72.69%	13.314%
125	17.735	17.698	17.754	VV	164925	4582772	62.89%	11.520%
126	17.845	17.824	17.888	VV	120315	3919788	53.80%	9.854%

					rteres			
127	17.898	17.888	17.947	VV	77054	2118657	29.08%	5.326%
128	18.066	18.052	18.080	VV	30571	487330	6.69%	1.225%
129	18.088	18.080	18.137	VV	27627	689585	9.46%	1.733%
130	18.441	18.379	18.486	VV	1838	70075	0.96%	0.176%
131	18.518	18.486	18.542	PV	2144	32467	0.45%	0.082%
132	18.579	18.542	18.607	VV	3832	67909	0.93%	0.171%
133	18.628	18.607	18.650	VV	2659	41622	0.57%	0.105%
134	18.677	18.650	18.687	VV	554	8532	0.12%	0.021%
135	18.706	18.687	18.716	VV	580	6539	0.09%	0.016%
136	18.732	18.716	18.747	PV	514	6122	0.08%	0.015%
137	18.778	18.747	18.807	VV	3200	53459	0.73%	0.134%
138	18.924	18.807	18.964	VV	9684	173814	2.39%	0.437%
139	18.985	18.964	19.000	VBA	793	23038	0.32%	0.058%
				Sum of corrected areas:		39780347		

Aromatic EPH 031725.M Fri Mar 21 06:10:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015704.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 16:26
Operator : YP\AJ
Sample : Q1574-01DL2 50X
Misc :
ALS Vial : 79 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
WC1DL2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 00:17:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.374	129391	1.140 ug/mlm
Spiked Amount 50.000		Recovery =	2.28%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

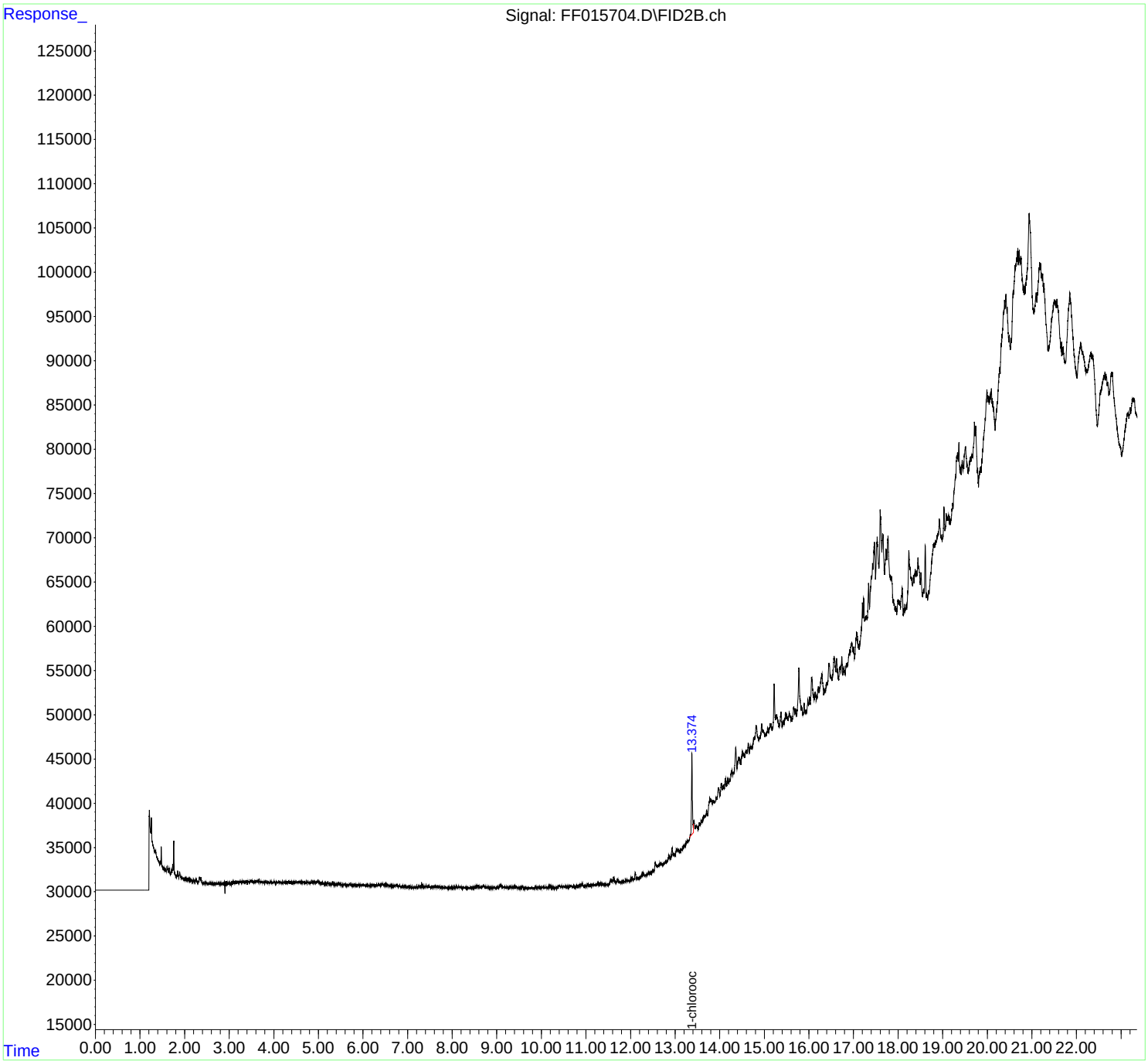
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015704.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 16:26
Operator : YP\AJ
Sample : Q1574-01DL2 50X
Misc :
ALS Vial : 79 Sample Multiplier: 1

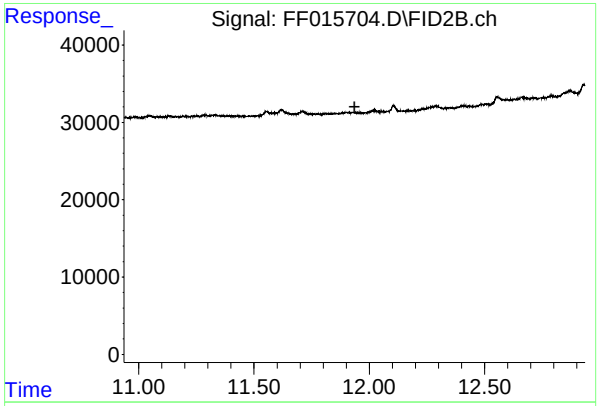
Instrument :
FID_F
ClientSampleId :
WC1DL2

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 00:17:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





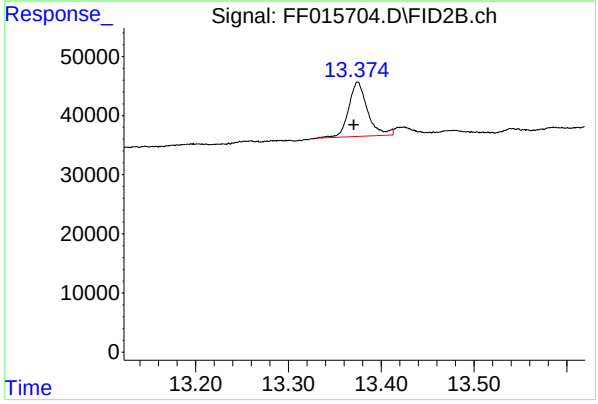
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.936 min
Response: 0
Conc: N.D.

Instrument :
FID_F
ClientSampleId :
WC1DL2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



#12 1-chlorooctadecane (SURR)

R.T.: 13.374 min
Delta R.T.: 0.003 min
Response: 129391
Conc: 1.14 ug/ml m

Instrument :
FID_F
ClientSampleId :
WC1DL2

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03202
Data File : FF015704.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 16:26
Sample : Q1574-01DL2 50X
Misc :
ALS Vial : 79 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.821	3.801	3.861	BH	147	2291	0.08%	0.004%
2	4.001	3.984	4.055	PH	166	1475	0.05%	0.002%
3	4.109	4.088	4.147	PH	169	2228	0.08%	0.004%
4	4.691	4.672	4.720	PH	98	876	0.03%	0.001%
5	4.887	4.875	4.928	HH	162	1921	0.07%	0.003%
6	11.619	11.578	11.675	HH	619	14234	0.49%	0.024%
7	11.710	11.675	11.795	HH	361	8730	0.30%	0.015%
8	11.811	11.795	11.833	HH	166	2093	0.07%	0.003%
9	11.948	11.833	11.968	HH	281	15313	0.52%	0.026%
10	12.021	11.968	12.071	HH	538	22000	0.75%	0.037%
11	12.106	12.071	12.151	HH	1148	28219	0.97%	0.047%
12	12.291	12.151	12.325	HH	1070	74581	2.55%	0.125%
13	12.408	12.325	12.458	HH	1104	77193	2.64%	0.129%
14	12.556	12.458	12.609	HH	2214	143893	4.92%	0.240%
15	12.665	12.609	12.695	HH	2213	105285	3.60%	0.176%
16	12.715	12.695	12.731	HH	2146	45895	1.57%	0.077%
17	12.870	12.731	12.905	HH	3092	260935	8.93%	0.436%
18	12.931	12.905	12.959	HH	3851	108959	3.73%	0.182%
19	12.976	12.959	12.997	HH	3201	72413	2.48%	0.121%
20	13.039	12.997	13.105	HH	3823	227800	7.80%	0.381%
21	13.375	13.105	13.406	HH	14647	941551	32.22%	1.573%
22	13.423	13.406	13.455	HH	6998	192035	6.57%	0.321%
23	13.477	13.455	13.525	HH	6469	262087	8.97%	0.438%
24	13.707	13.525	13.731	HH	7976	889808	30.45%	1.487%
25	13.782	13.731	13.835	HH	9424	554487	18.98%	0.927%
26	13.856	13.835	13.877	HH	9247	234562	8.03%	0.392%
27	13.973	13.877	14.001	HH	10653	724584	24.80%	1.211%
28	14.038	14.001	14.108	HH	11201	683865	23.40%	1.143%
29	14.128	14.108	14.155	HH	11768	315427	10.79%	0.527%
30	14.179	14.155	14.205	HH	11723	341639	11.69%	0.571%
31	14.272	14.205	14.294	HH	12712	641579	21.96%	1.072%
32	14.358	14.294	14.387	HH	15164	746620	25.55%	1.248%
33	14.431	14.387	14.475	HH	14124	721515	24.69%	1.206%
34	14.511	14.475	14.557	HH	14891	709547	24.28%	1.186%
35	14.595	14.557	14.611	HH	14957	476918	16.32%	0.797%
36	14.639	14.611	14.666	HH	15653	496407	16.99%	0.829%

Instrument :
FID_F
ClientSampleId :
WC1DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

rteres

37	14.690	14.666	14.728	HH	15279	564188	19.31%	0.943%
38	14.817	14.728	14.876	HH	17663	1461629	50	
39	14.941	14.876	15.035	HV	17534	1564771	53	
40	15.077	15.035	15.098	VV	16198	605423	20	
41	15.136	15.098	15.169	VV	16288	683435	23	
42	15.220	15.169	15.335	VV	20383	1640143	56	
43	15.372	15.335	15.408	VV	16264	676734	23.16%	1.131%
44	15.482	15.408	15.529	VV	15586	1092092	37.37%	1.825%
45	15.563	15.529	15.625	VV	14982	829684	28.39%	1.386%
46	15.661	15.625	15.725	VV	15183	869389	29.75%	1.453%
47	15.775	15.725	15.875	VV	18762	1351358	46.25%	2.258%
48	15.893	15.875	15.944	VV	14109	558588	19.12%	0.933%
49	15.976	15.944	15.991	VV	14094	381482	13.06%	0.637%
50	16.012	15.991	16.028	VV	14154	303580	10.39%	0.507%
51	16.063	16.028	16.118	VV	16080	787198	26.94%	1.315%
52	16.140	16.118	16.168	VV	13970	406558	13.91%	0.679%
53	16.211	16.168	16.231	VV	14019	516072	17.66%	0.862%
54	16.287	16.231	16.365	VV	14976	1107204	37.89%	1.850%
55	16.452	16.365	16.518	VV	15312	1273494	43.58%	2.128%
56	16.568	16.518	16.601	VV	15374	718938	24.60%	1.201%
57	16.620	16.601	16.668	VV	14917	548268	18.76%	0.916%
58	16.699	16.668	16.717	VV	13441	385649	13.20%	0.644%
59	16.738	16.717	16.768	VV	14412	410197	14.04%	0.685%
60	16.785	16.768	16.808	VV	13076	302036	10.34%	0.505%
61	16.962	16.808	17.024	VV	14545	1750509	59.91%	2.925%
62	17.072	17.024	17.130	VV	15122	890252	30.47%	1.488%
63	17.230	17.130	17.257	VV	18123	1196487	40.95%	1.999%
64	17.338	17.257	17.360	VV	19146	1010648	34.59%	1.689%
65	17.470	17.360	17.495	VV	23127	1628282	55.72%	2.721%
66	17.530	17.495	17.571	VV	23259	978669	33.49%	1.635%
67	17.602	17.571	17.636	VV	25423	888374	30.40%	1.484%
68	17.656	17.636	17.695	VV	22570	749038	25.63%	1.252%
69	17.731	17.695	17.747	VV	20748	611798	20.94%	1.022%
70	17.772	17.747	17.970	VV	21867	2160287	73.93%	3.610%
71	18.010	17.970	18.052	VV	13290	631969	21.63%	1.056%
72	18.091	18.052	18.119	VV	14255	517192	17.70%	0.864%
73	18.141	18.119	18.157	VV	11948	265071	9.07%	0.443%
74	18.243	18.157	18.325	VV	17371	1378657	47.18%	2.304%
75	18.445	18.325	18.497	VV	15435	1445091	49.46%	2.415%
76	18.514	18.497	18.548	VV	13402	365747	12.52%	0.611%
77	18.609	18.548	18.663	VV	15959	797659	27.30%	1.333%
78	18.926	18.663	18.987	VV	16907	2713007	92.85%	4.533%
79	19.030	18.987	19.061	VV	17761	696106	23.82%	1.163%
80	19.085	19.061	19.101	VV	16485	386422	13.22%	0.646%
81	19.130	19.101	19.181	VV	16221	755200	25.85%	1.262%
82	19.362	19.181	19.415	VV	23055	2702622	92.49%	4.516%
83	19.435	19.415	19.454	VV	20648	476212	16.30%	0.796%
84	19.715	19.575	19.805	VV	23066	2740971	93.80%	4.580%
85	19.993	19.805	20.041	VV	25118	2922017	100.00%	4.883%

Sum of corrected areas: 59845362

Aliphatic EPH 031725.M Fri Mar 21 08:07:37 2025
Page 2

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015696.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 12:31
Operator : YP\AJ
Sample : PB167231BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167231BL

Integration File: autoint1.e
Quant Time: Mar 20 14:14:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	13.368	3596079	31.686 ug/ml
Spiked Amount 50.000		Recovery = 63.37%	
Target Compounds			

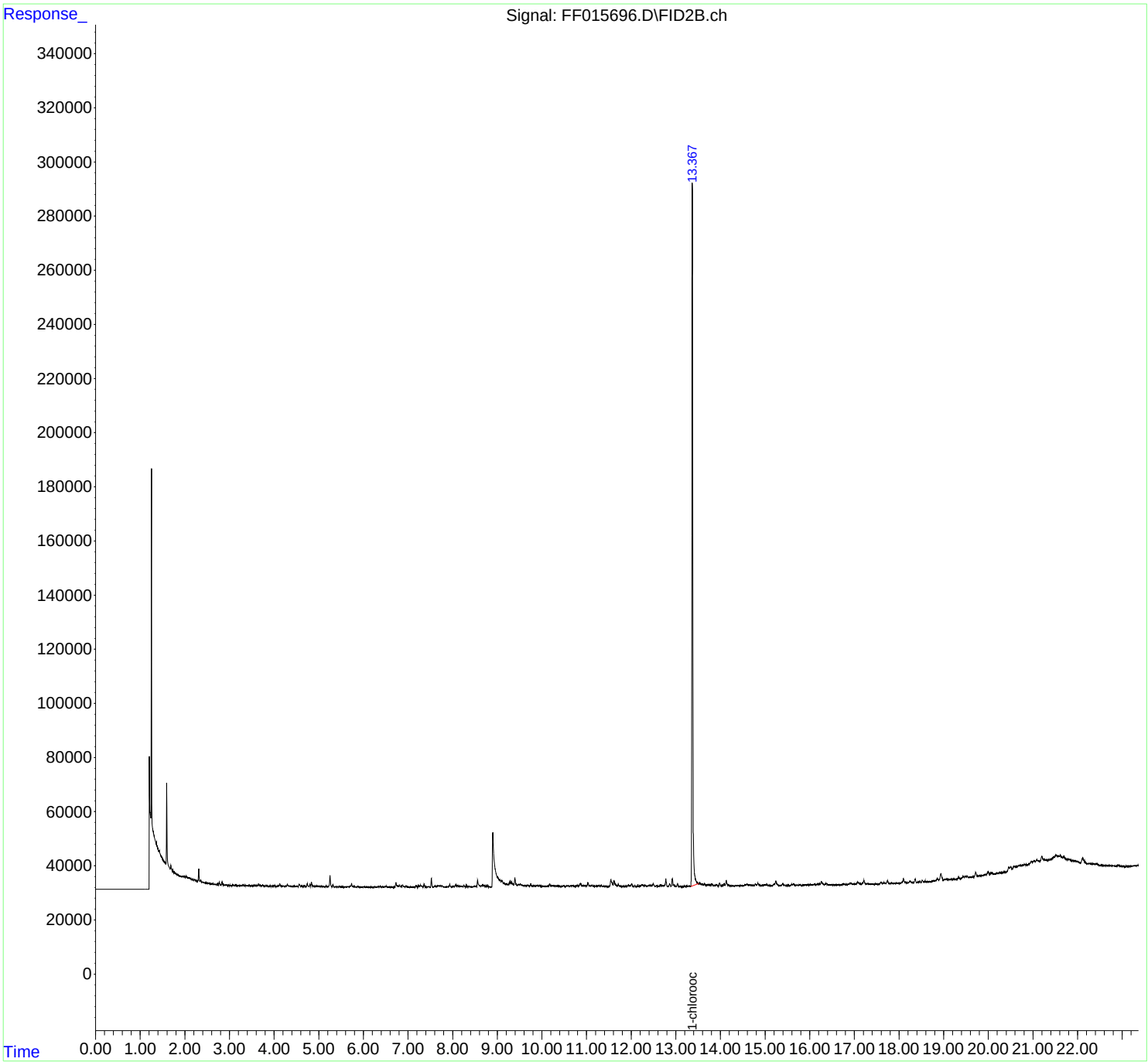
(f)=RT Delta > 1/2 Window (m)=manual int.

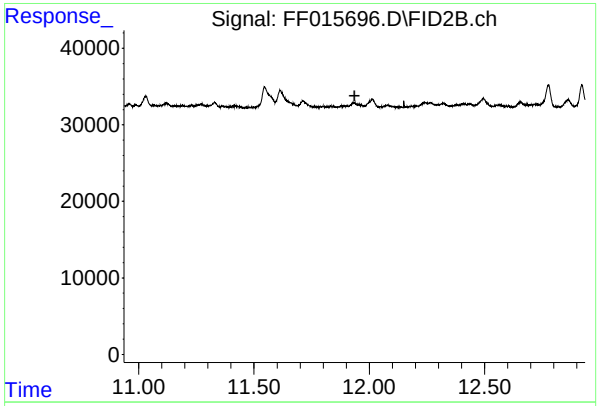
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015696.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 12:31
Operator : YP\AJ
Sample : PB167231BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167231BL

Integration File: autoint1.e
Quant Time: Mar 20 14:14:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

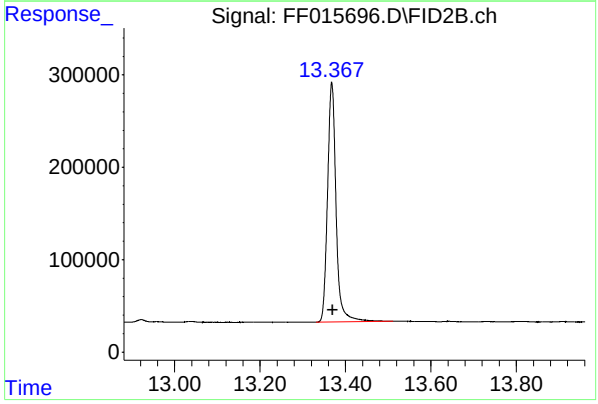




#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.936 min
Response: 0
Conc: N.D.

Instrument :
FID_F
ClientSampleId :
PB167231BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.368 min
Delta R.T.: -0.003 min
Response: 3596079
Conc: 31.69 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015696.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 12:31
Sample : PB167231BL
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	13.368	13.331	13.511	BB	259124	3596079	100.00%	100.000%
			Sum of corrected areas:			3596079		

Aliphatic EPH 031725.M Fri Mar 21 08:20:51 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015513.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 12:31
Operator : YP\AJ
Sample : PB167231BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 21 01:06:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
PB167231BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.966	6105622	49.983 ug/ml
Spiked Amount 50.000		Recovery =	99.97%
6) S 2-Flurobiphenyl (SURR)	8.842	3028647	36.641 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	73.28%
11) S ortho-Terphenyl (SURR)	11.920	6123660	41.992 ug/ml
Spiked Amount 50.000		Recovery =	83.98%
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015513.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 12:31
Operator : YP\AJ
Sample : PB167231BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

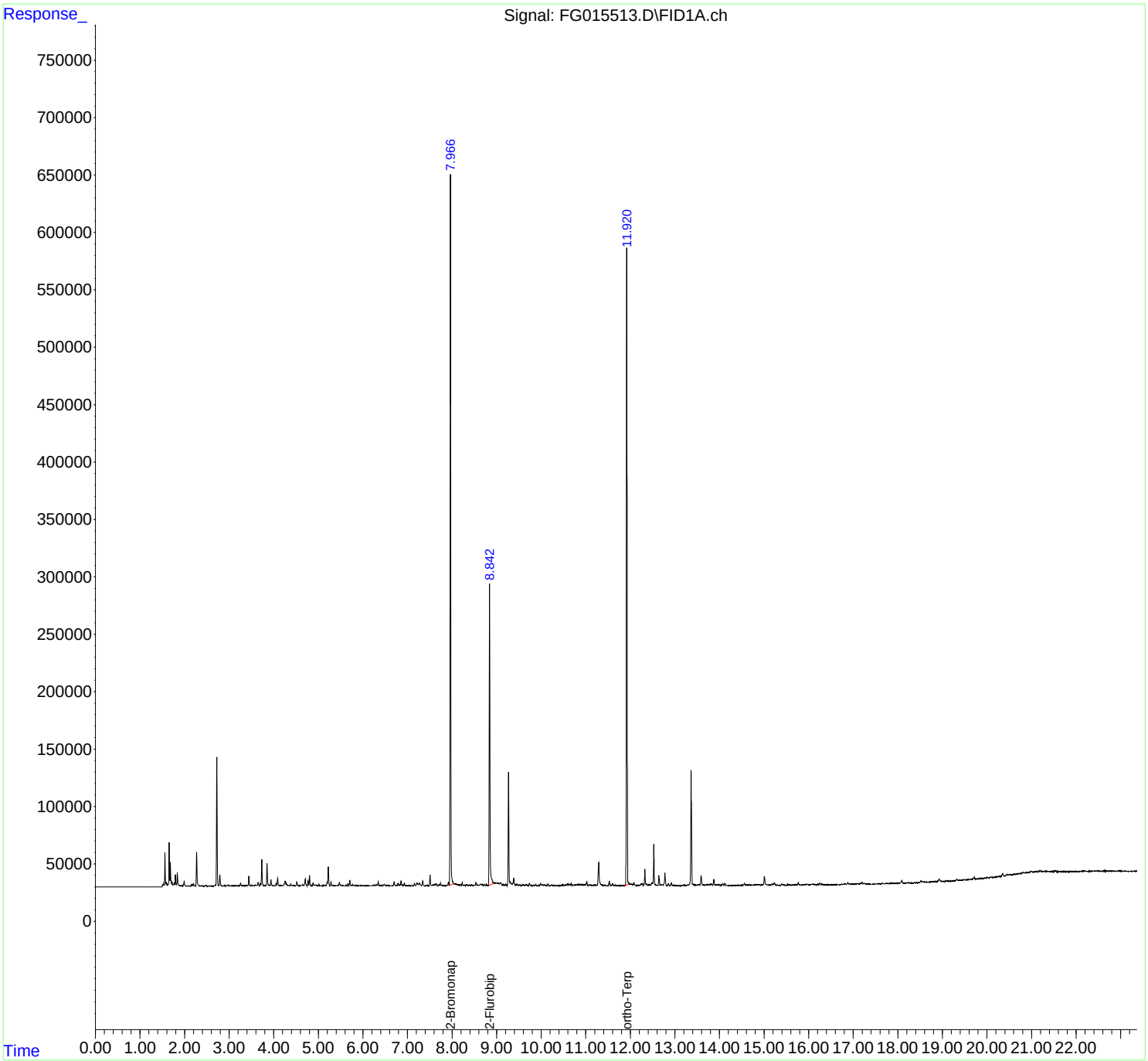
Integration File: autoint1.e
Quant Time: Mar 21 01:06:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

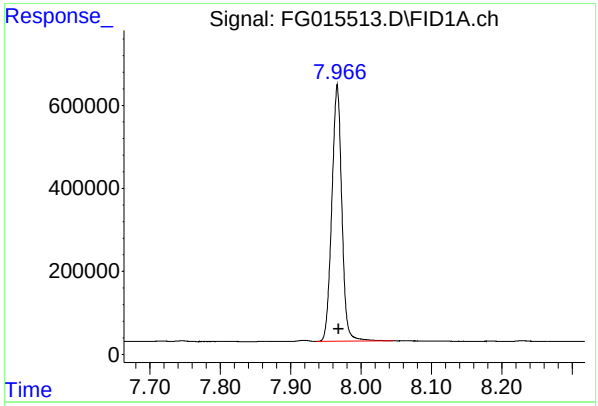
Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
PB167231BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025





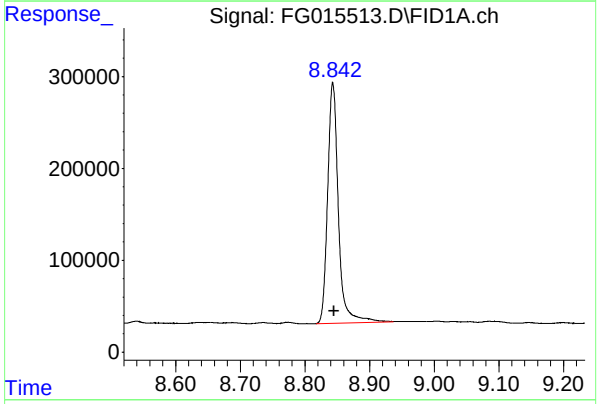
#4 2-Bromonaphthalene (SURR)

R.T.: 7.966 min
Delta R.T.: -0.002 mi
Response: 6105622
Conc: 49.98 ug/m

Instrument :
FID_G
ClientSampleId :
PB167231BL

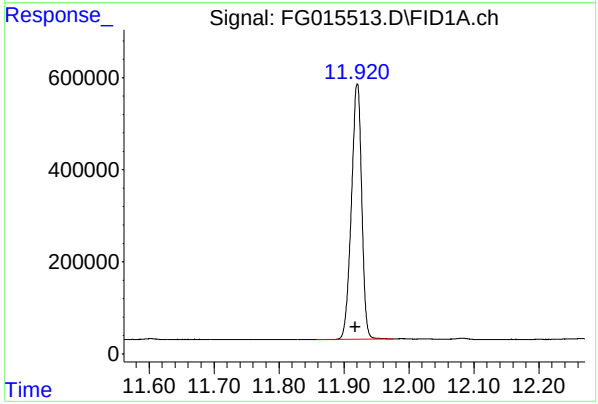
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



#6 2-Flurobiphenyl (SURR)

R.T.: 8.842 min
Delta R.T.: -0.003 min
Response: 3028647
Conc: 36.64 ug/ml m



#11 ortho-Terphenyl (SURR)

R.T.: 11.920 min
Delta R.T.: 0.003 min
Response: 6123660
Conc: 41.99 ug/ml

8

Instrument :
FID_G
ClientSampleId :
PB167231BL

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03202
Data File : FG015513.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 12:31
Sample : PB167231BL
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	7.966	7.936	8.045	PB	614086	6105622	99.71%	40.187%
2	8.843	8.714	8.932	BB	259626	2963683	48.40%	19.507%
3	11.920	11.857	11.975	BB	554893	6123660	100.00%	40.306%
			Sum of corrected areas:			15192965		

Aromatic EPH 031725.M Fri Mar 21 01:44:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015697.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:00
Operator : YP\AJ
Sample : PB167231BS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167231BS

Integration File: autoint1.e
Quant Time: Mar 20 14:14:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	13.370	4427027	39.007 ug/ml
Spiked Amount	50.000		Recovery =	78.01%
	Target Compounds			
1) T	n-Nonane (C9)	3.310	2761330	21.801 ug/ml
2) T	n-Decane (C10)	4.565	3363186	26.190 ug/ml
4) T	n-Dodecane (C12)	6.732	3928413	30.145 ug/ml
6) T	n-Tetradecane (C14)	8.559	4524068	34.934 ug/ml
7) T	n-Hexadecane (C16)	10.167	5147158	38.491 ug/ml
8) T	n-Octadecane (C18)	11.612	5564510	40.409 ug/ml
10) T	n-Eicosane (C20)	12.923	6022661	44.687 ug/ml
11) T	n-Heneicosane (C21)	13.536	5896117	44.117 ug/ml
13) T	n-Docosane (C22)	14.123	5920972	44.247 ug/ml
14) T	n-Tetracosane (C24)	15.228	5815226	43.438 ug/ml
15) T	n-Hexacosane (C26)	16.250	5670822	43.359 ug/ml
16) T	n-Octacosane (C28)	17.202	5501535	42.115 ug/ml
17) T	n-Tricontane (C30)	18.090	5433269	40.291 ug/ml
18) T	n-Dotriacontane (C32)	18.923	5269562	40.410 ug/ml
19) T	n-Tetratriacontane (C34)	19.707	5072571	43.455 ug/ml
20) T	n-Hexatriacontane (C36)	20.448	4768994	48.041 ug/ml
21) T	n-Octatriacontane (C38)	21.185	4538590	51.946 ug/ml
22) T	n-Tetracontane (C40)	22.099	4148401	51.691 ug/ml

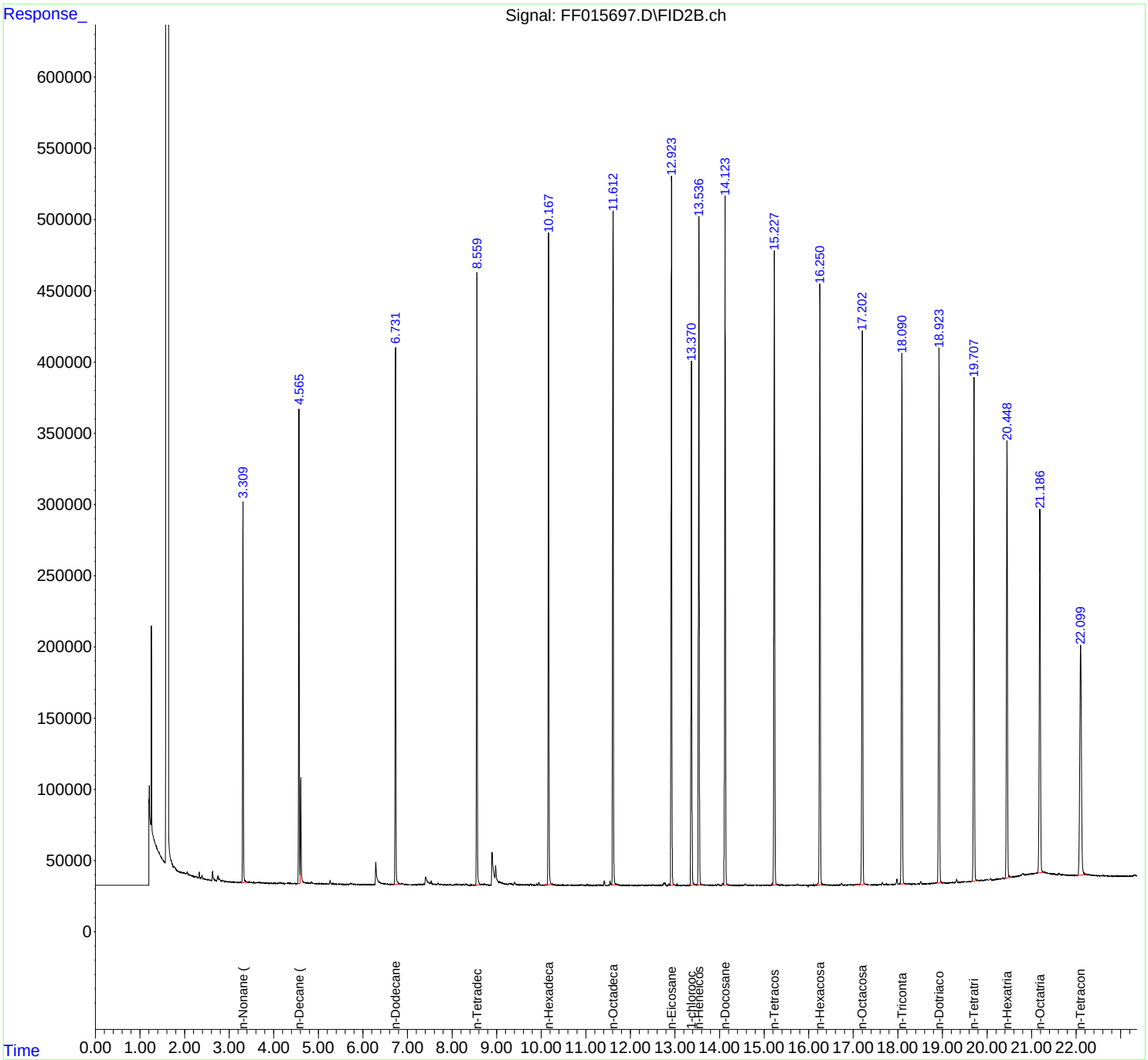
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015697.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:00
Operator : YP\AJ
Sample : PB167231BS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167231BS

Integration File: autoint1.e
Quant Time: Mar 20 14:14:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015697.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:00
Sample : PB167231BS
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.310	3.268	3.405	BB	264736	2761330	45.85%	2.945%
2	4.565	4.528	4.590	BV	331151	3363186	55.84%	3.586%
3	6.732	6.698	6.841	BB	376182	3928413	65.23%	4.189%
4	8.559	8.525	8.638	BB	425108	4524068	75.12%	4.824%
5	10.167	10.058	10.258	BB	456654	5147158	85.46%	5.489%
6	11.612	11.571	11.695	BV	471622	5564510	92.39%	5.934%
7	12.923	12.884	13.005	PB	501239	6022661	100.00%	6.422%
8	13.370	13.328	13.465	BB	368308	4427027	73.51%	4.721%
9	13.536	13.495	13.618	BB	469495	5896117	97.90%	6.288%
10	14.123	14.088	14.218	VB	479404	5920972	98.31%	6.314%
11	15.228	15.138	15.308	BB	444063	5815226	96.56%	6.201%
12	16.250	16.161	16.331	BB	421795	5670822	94.16%	6.047%
13	17.202	17.041	17.278	BB	388133	5501535	91.35%	5.867%
14	18.090	18.021	18.171	BB	373487	5433269	90.21%	5.794%
15	18.923	18.875	19.011	BB	375622	5269562	87.50%	5.619%
16	19.707	19.651	19.775	BB	354127	5072571	84.22%	5.409%
17	20.448	20.401	20.538	BB	307511	4768994	79.18%	5.086%
18	21.185	21.121	21.285	BB	254771	4538590	75.36%	4.840%
19	22.099	22.021	22.241	BB	161100	4148401	68.88%	4.424%
			Sum of corrected areas:			93774411		

Aliphatic EPH 031725.M Fri Mar 21 07:35:19 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015514.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:00
Operator : YP\AJ
Sample : PB167231BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PB167231BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 01:06:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.967	6169474	50.505 ug/ml
	Spiked Amount 50.000		Recovery = 101.01%	
6)	S 2-Flurobiphenyl (SURR)	8.844	3230344	39.081 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery = 78.16%	
11)	S ortho-Terphenyl (SURR)	11.919	6231904	42.734 ug/ml
	Spiked Amount 50.000		Recovery = 85.47%	
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.556	3244584	24.416 ug/ml
2)	T Naphthalene (C11.7)	6.235	4163143	30.814 ug/ml
3)	T 2-Methylnaphthalene (...	7.336	4192405	31.429 ug/ml
5)	T Acenaphthylene (C15.06)	8.643	5281759	37.293 ug/ml
7)	T Acenaphthene (C15.5)	8.944	5449829	39.945 ug/ml
8)	T Flouorene (C16.55)	9.737	5851559	41.916 ug/ml
9)	T Phenanthrene (C19.36)	11.149	6241326	44.302 ug/ml
10)	T Anthracene (C19.43)	11.225	6246958	45.651 ug/ml
12)	T Fluoranthene (C21.85)	12.977	6536753	45.838 ug/mlm
13)	T Pyrene (C20.8)	13.277	6621600	47.191 ug/ml
14)	T Benzo[a]anthracene (C...	15.164	6639455	48.952 ug/ml
15)	T Chrysene (C27.41)	15.209	7448991	53.210 ug/ml
16)	T benzo[b]fluoranthene ...	16.729	6530952	49.424 ug/ml
17)	T Bnezo[k]fluoranthene ...	16.764	6501707	47.619 ug/ml
18)	T Benzo[a]pyrene (C31.34)	17.111	6244407	49.795 ug/ml
19)	T Indeno[1,2,3-cd]pyren...	18.488	6293938	56.569 ug/ml
20)	T Dibenz[a,h]anthracene...	18.525	5911171	45.937 ug/ml
21)	T Benzo[g,h,i]perylene ...	18.744	5808184	48.606 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

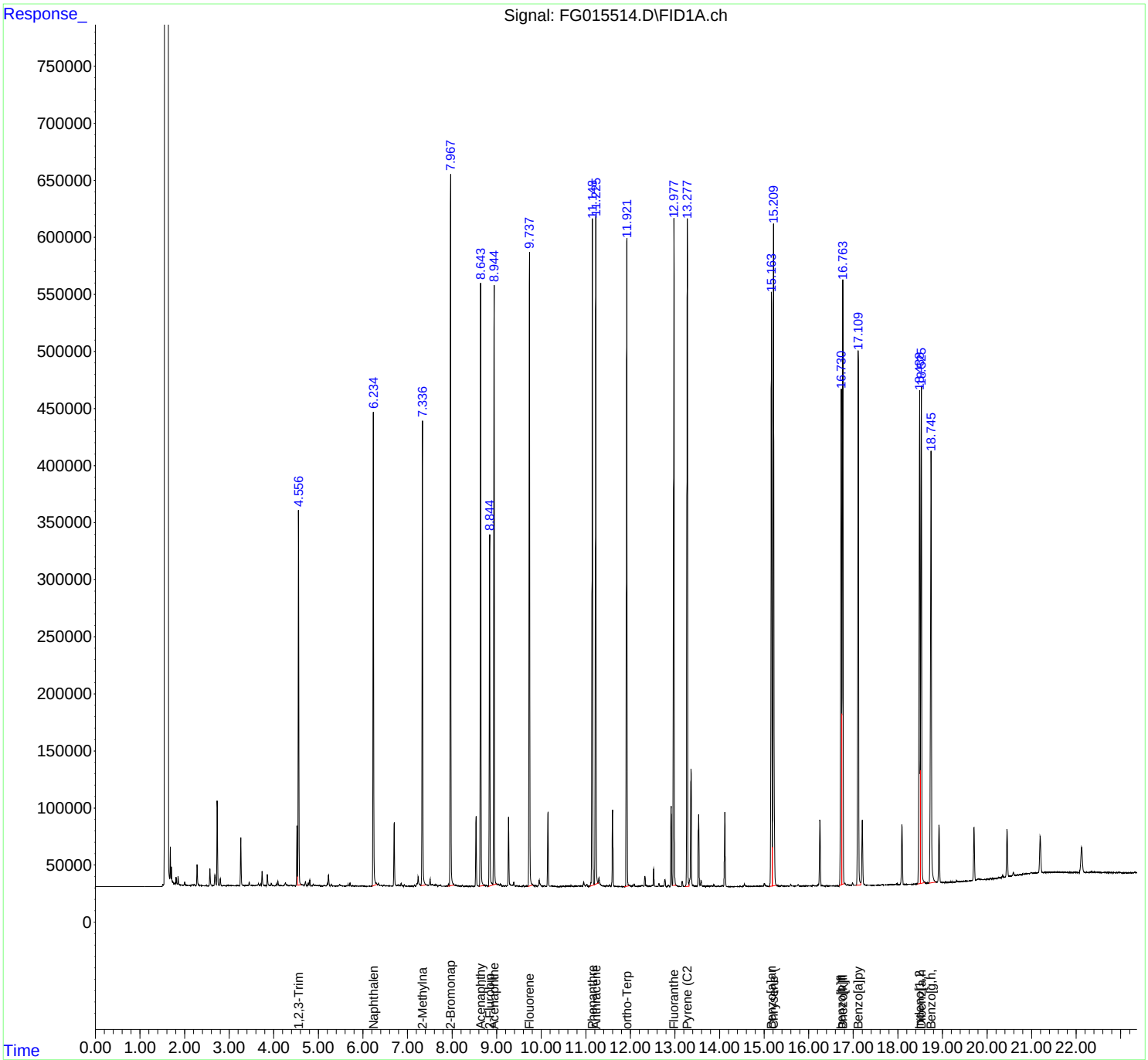
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015514.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:00
Operator : YP\AJ
Sample : PB167231BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 21 01:06:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
PB167231BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



Instrument :
FID_G
ClientSampleId :
PB167231BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03202
Data File : FG015514.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:00
Sample : PB167231BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.556	4.537	4.615	VB	328048	3244584	43.56%	2.692%
2	6.235	6.204	6.315	BB	414763	4163143	55.89%	3.454%
3	7.336	7.300	7.419	BB	403920	4192405	56.28%	3.479%
4	7.967	7.900	8.047	BB	622299	6169474	82.82%	5.119%
5	8.643	8.609	8.717	BB	525835	5281759	70.91%	4.382%
6	8.844	8.812	8.912	BV	307770	3230344	43.37%	2.680%
7	8.944	8.912	9.004	VB	524493	5449829	73.16%	4.522%
8	9.737	9.699	9.812	BB	552979	5851559	78.56%	4.855%
9	11.149	11.094	11.192	BV	583162	6241326	83.79%	5.179%
10	11.225	11.192	11.277	PV	584166	6246958	83.86%	5.183%
11	11.919	11.864	11.974	BB	568069	6231904	83.66%	5.171%
12	12.977	12.930	13.037	BB	577644	6217482	83.47%	5.159%
13	13.277	13.225	13.312	BV	587719	6621600	88.89%	5.494%
14	15.164	15.119	15.184	BV	518972	6639455	89.13%	5.509%
15	15.209	15.184	15.284	VB	579263	7448991	100.00%	6.181%
16	16.729	16.680	16.744	BV	433474	6530952	87.68%	5.419%
17	16.764	16.744	16.802	VB	529261	6501707	87.28%	5.395%
18	17.111	17.060	17.170	BV	468662	6244407	83.83%	5.181%
19	18.488	18.440	18.503	BV	425879	6293938	84.49%	5.222%
20	18.525	18.503	18.604	VB	435334	5911171	79.36%	4.905%
21	18.744	18.689	18.847	BB	372404	5808184	77.97%	4.819%
			Sum of corrected areas:			120521173		

Aromatic EPH 031725.M Fri Mar 21 01:45:39 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015698.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:29
Operator : YP\AJ
Sample : PB167231BSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167231BSD

Integration File: autoint1.e
Quant Time: Mar 20 14:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	13.371	4460553	39.303 ug/ml
Spiked Amount	50.000		Recovery =	78.61%
	Target Compounds			
1) T	n-Nonane (C9)	3.311	2774878	21.908 ug/ml
2) T	n-Decane (C10)	4.567	3377593	26.302 ug/ml
4) T	n-Dodecane (C12)	6.733	3948901	30.302 ug/ml
6) T	n-Tetradecane (C14)	8.561	4541545	35.068 ug/ml
7) T	n-Hexadecane (C16)	10.169	5188870	38.803 ug/ml
8) T	n-Octadecane (C18)	11.613	5593688	40.621 ug/ml
10) T	n-Eicosane (C20)	12.924	6061809	44.978 ug/ml
11) T	n-Heneicosane (C21)	13.538	5933280	44.395 ug/ml
13) T	n-Docosane (C22)	14.124	5959437	44.534 ug/ml
14) T	n-Tetracosane (C24)	15.229	5861216	43.782 ug/ml
15) T	n-Hexacosane (C26)	16.250	5710500	43.662 ug/ml
16) T	n-Octacosane (C28)	17.202	5554566	42.521 ug/ml
17) T	n-Tricontane (C30)	18.090	5491642	40.723 ug/ml
18) T	n-Dotriacontane (C32)	18.924	5344920	40.988 ug/ml
19) T	n-Tetratriacontane (C34)	19.708	5155898	44.169 ug/ml
20) T	n-Hexatriacontane (C36)	20.449	4877562	49.135 ug/ml
21) T	n-Octatriacontane (C38)	21.186	4691543	53.696 ug/ml
22) T	n-Tetracontane (C40)	22.101	4491812	55.970 ug/ml

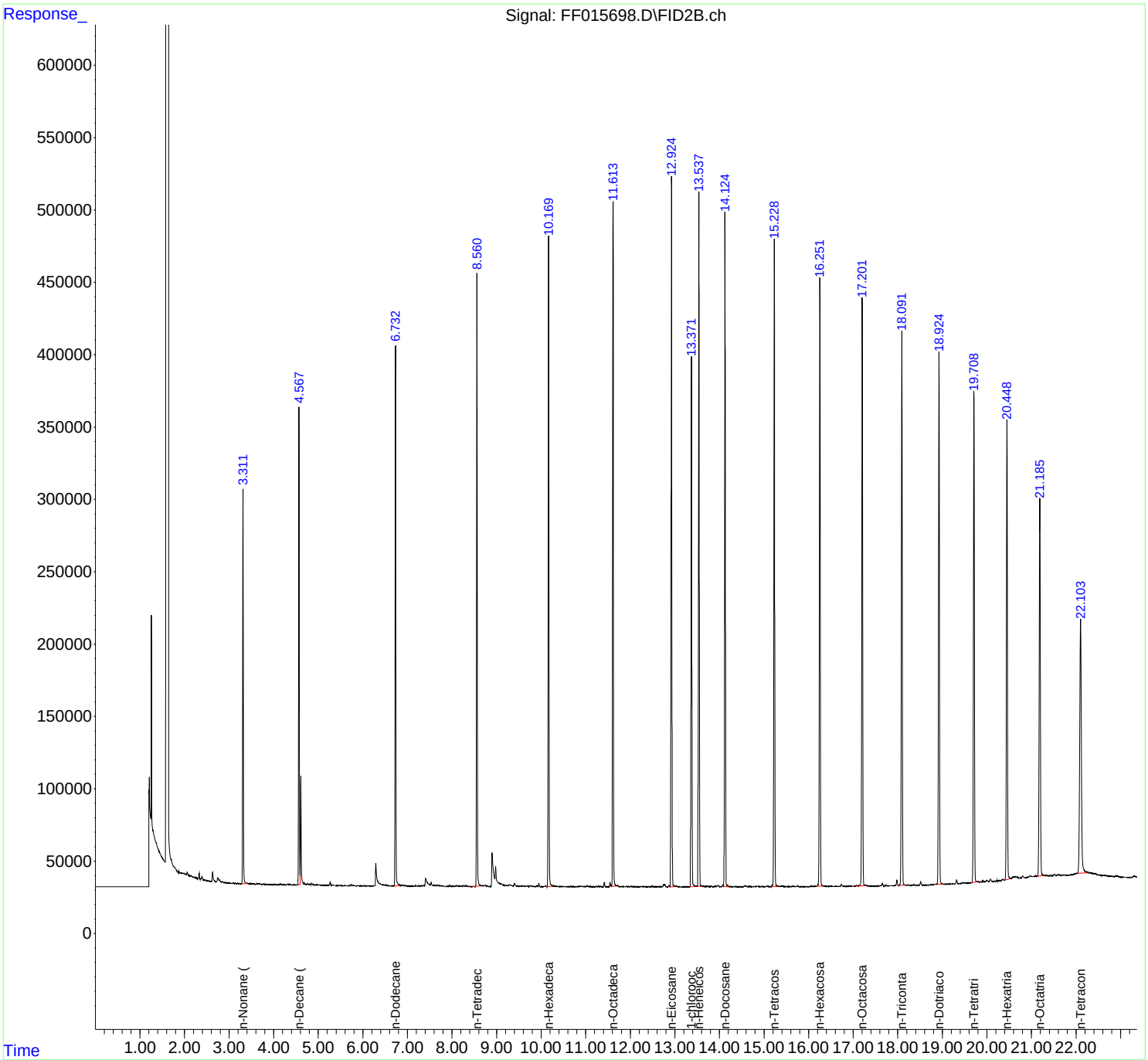
(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015698.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:29
Operator : YP\AJ
Sample : PB167231BSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
PB167231BSD

Integration File: autoint1.e
Quant Time: Mar 20 14:15:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015698.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 13:29
Sample : PB167231BSD
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.311	3.278	3.408	BB	271220	2774878	45.78%	2.920%
2	4.567	4.528	4.591	BV	329225	3377593	55.72%	3.555%
3	6.733	6.698	6.842	BB	372560	3948901	65.14%	4.156%
4	8.561	8.445	8.645	BB	423074	4541545	74.92%	4.780%
5	10.169	10.135	10.268	BB	450004	5188870	85.60%	5.461%
6	11.613	11.575	11.695	BV	473942	5593688	92.28%	5.887%
7	12.924	12.886	13.012	PB	492886	6061809	100.00%	6.379%
8	13.371	13.332	13.465	BB	367575	4460553	73.58%	4.694%
9	13.538	13.498	13.618	BB	480398	5933280	97.88%	6.244%
10	14.124	14.087	14.218	VB	466731	5959437	98.31%	6.272%
11	15.229	15.155	15.318	BB	447387	5861216	96.69%	6.168%
12	16.251	16.185	16.342	BB	422195	5710500	94.20%	6.010%
13	17.202	17.038	17.292	BB	406252	5554566	91.63%	5.846%
14	18.090	18.022	18.168	BB	384552	5491642	90.59%	5.779%
15	18.924	18.872	19.015	BB	368534	5344920	88.17%	5.625%
16	19.708	19.658	19.778	BB	339989	5155898	85.06%	5.426%
17	20.449	20.402	20.532	BB	317946	4877562	80.46%	5.133%
18	21.186	21.122	21.288	BB	260158	4691543	77.40%	4.937%
19	22.101	22.022	22.272	BB	176045	4491812	74.10%	4.727%
			Sum of corrected areas:			95020214		

Aliphatic EPH 031725.M Fri Mar 21 07:35:44 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015515.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:29
Operator : YP\AJ
Sample : PB167231BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 21 01:07:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
PB167231BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.969	7111822	58.220 ug/ml
Spiked Amount 50.000		Recovery =	116.44%
6) S 2-Flurobiphenyl (SURR)	8.846	3730134	45.128 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	90.26%
11) S ortho-Terphenyl (SURR)	11.920	7173187	49.189 ug/ml
Spiked Amount 50.000		Recovery =	98.38%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	3738655	28.134 ug/ml
2) T Naphthalene (C11.7)	6.236	4819274	35.670 ug/ml
3) T 2-Methylnaphthalene (...	7.338	4844624	36.319 ug/ml
5) T Acenaphthylene (C15.06)	8.644	6090797	43.005 ug/ml
7) T Acenaphthene (C15.5)	8.946	6280353	46.032 ug/ml
8) T Flouorene (C16.55)	9.738	6750437	48.354 ug/ml
9) T Phenanthrene (C19.36)	11.150	7213552	51.202 ug/ml
10) T Anthracene (C19.43)	11.226	7226733	52.811 ug/ml
12) T Fluoranthene (C21.85)	12.978	7559648	53.011 ug/mlm
13) T Pyrene (C20.8)	13.279	7656077	54.564 ug/ml
14) T Benzo[a]anthracene (C...	15.166	7727506	56.974 ug/ml
15) T Chrysene (C27.41)	15.211	8631506	61.657 ug/ml
16) T benzo[b]fluoranthene ...	16.730	7592471	57.458 ug/ml
17) T Bnezo[k]fluoranthene ...	16.766	7592053	55.604 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.112	7275153	58.015 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.491	7435241	66.827 ug/ml
20) T Dibenz[a,h]anthracene...	18.528	6843925	53.185 ug/ml
21) T Benzo[g,h,i]perylene ...	18.748	6780509	56.743 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

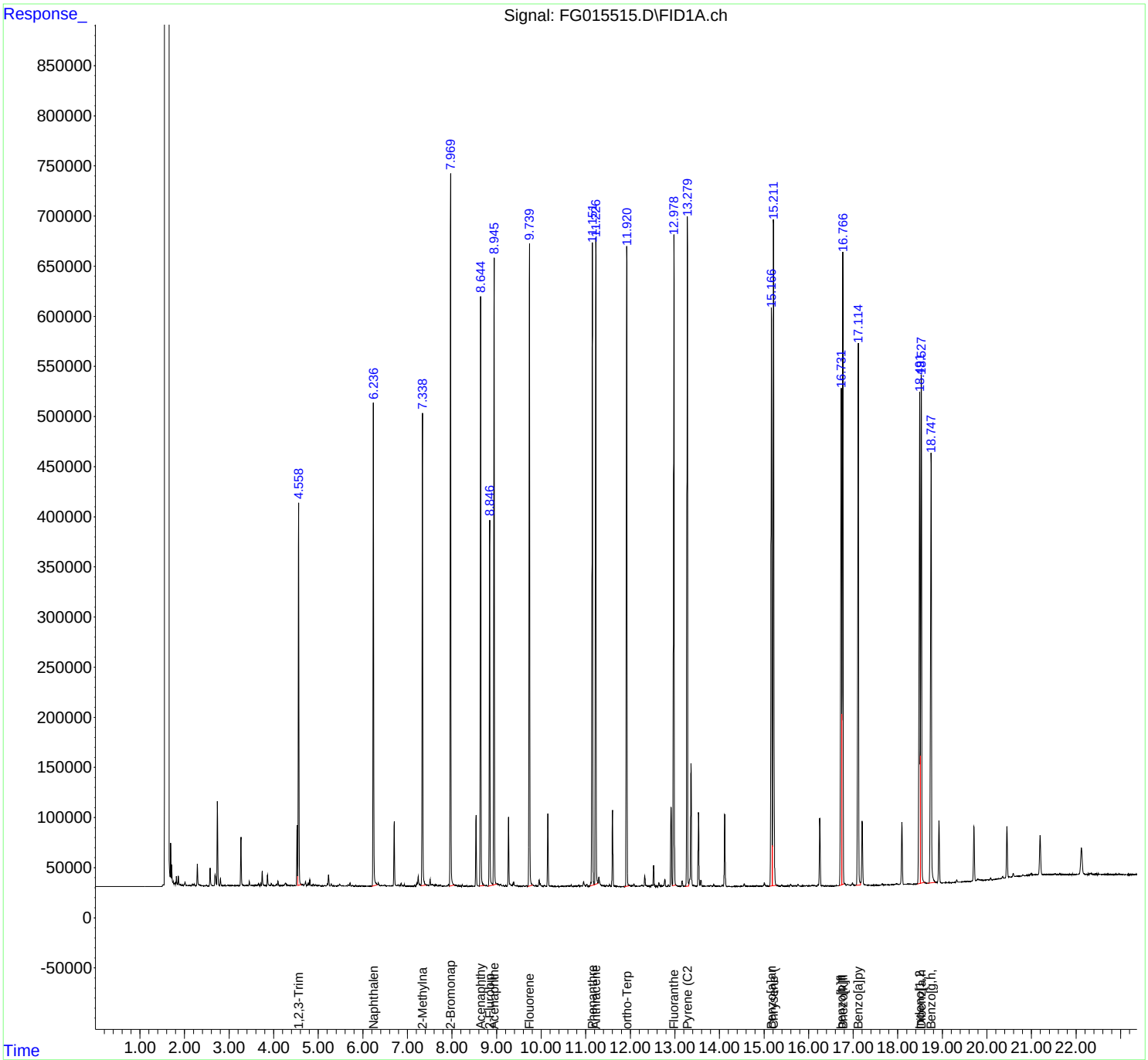
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015515.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:29
Operator : YP\AJ
Sample : PB167231BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 21 01:07:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
PB167231BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



Instrument :
FID_G
ClientSampleId :
PB167231BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03202
Data File : FG015515.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 13:29
Sample : PB167231BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.559	4.539	4.616	VB	379530	3738655	43.31%	2.676%
2	6.236	6.204	6.321	BB	482057	4819274	55.83%	3.450%
3	7.338	7.301	7.422	BB	470403	4844624	56.13%	3.468%
4	7.969	7.939	8.047	PB	712264	7111822	82.39%	5.091%
5	8.644	8.611	8.722	BB	587011	6090797	70.56%	4.360%
6	8.846	8.807	8.916	BV	364183	3730134	43.22%	2.670%
7	8.946	8.916	9.006	VB	626275	6280353	72.76%	4.496%
8	9.738	9.702	9.814	BB	645975	6750437	78.21%	4.832%
9	11.150	11.094	11.192	BV	639614	7213552	83.57%	5.164%
10	11.226	11.192	11.276	PV	646059	7226733	83.73%	5.173%
11	11.920	11.861	11.974	BB	639829	7173187	83.10%	5.135%
12	12.978	12.931	13.042	BB	637982	7187268	83.27%	5.145%
13	13.279	13.226	13.311	BV	671517	7656077	88.70%	5.480%
14	15.166	15.119	15.185	BV	574958	7727506	89.53%	5.531%
15	15.211	15.185	15.284	VB	665516	8631506	100.00%	6.179%
16	16.730	16.681	16.746	BV	494429	7592471	87.96%	5.435%
17	16.766	16.746	16.801	VB	626269	7592053	87.96%	5.434%
18	17.112	17.061	17.166	BV	534473	7275153	84.29%	5.208%
19	18.491	18.441	18.506	BV	492177	7435241	86.14%	5.322%
20	18.528	18.506	18.599	VB	508260	6843925	79.29%	4.899%
21	18.748	18.666	18.847	BB	427999	6780509	78.56%	4.854%
			Sum of corrected areas:			139701276		

Aromatic EPH 031725.M Fri Mar 21 01:47:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015518.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 14:58
Operator : YP\AJ
Sample : Q1574-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC1MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 01:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.971	6800885	55.674 ug/ml
	Spiked Amount 50.000		Recovery =	111.35%
6)	S 2-Flurobiphenyl (SURR)	8.849	3971661	48.050 ug/ml
	Spiked Amount 50.000 Range 0 - 131		Recovery =	96.10%
11)	S ortho-Terphenyl (SURR)	11.937	4406350	30.216 ug/mlm
	Spiked Amount 50.000		Recovery =	60.43%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.559	3385291	25.475 ug/ml
2)	T Naphthalene (C11.7)	6.239	5169699	38.264 ug/ml
3)	T 2-Methylnaphthalene (...	7.341	5599588	41.978 ug/ml
5)	T Acenaphthylene (C15.06)	8.647	4847241	34.225 ug/ml
7)	T Acenaphthene (C15.5)	8.948	5062017	37.102 ug/ml
8)	T Flouorene (C16.55)	9.739	2517075	18.030 ug/mlm
9)	T Phenanthrene (C19.36)	11.155	2557925	18.156 ug/ml
10)	T Anthracene (C19.43)	11.216	8436571	61.652 ug/ml
12)	T Fluoranthene (C21.85)	12.959	2878219	20.183 ug/mlm
13)	T Pyrene (C20.8)	13.308	2469974	17.603 ug/mlm
14)	T Benzo[a]anthracene (C...	15.203	7240035	53.380 ug/mlm
15)	T Chrysene (C27.41)	15.253	16494793	117.827 ug/mlm
19)	T Indeno[1,2,3-cd]pyren...	18.466	54567891	490.450 ug/mlm
20)	T Dibenz[a,h]anthracene...	18.515	23783457	184.824 ug/mlm
21)	T Benzo[g,h,i]perylene ...	18.755	3102695	25.965 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

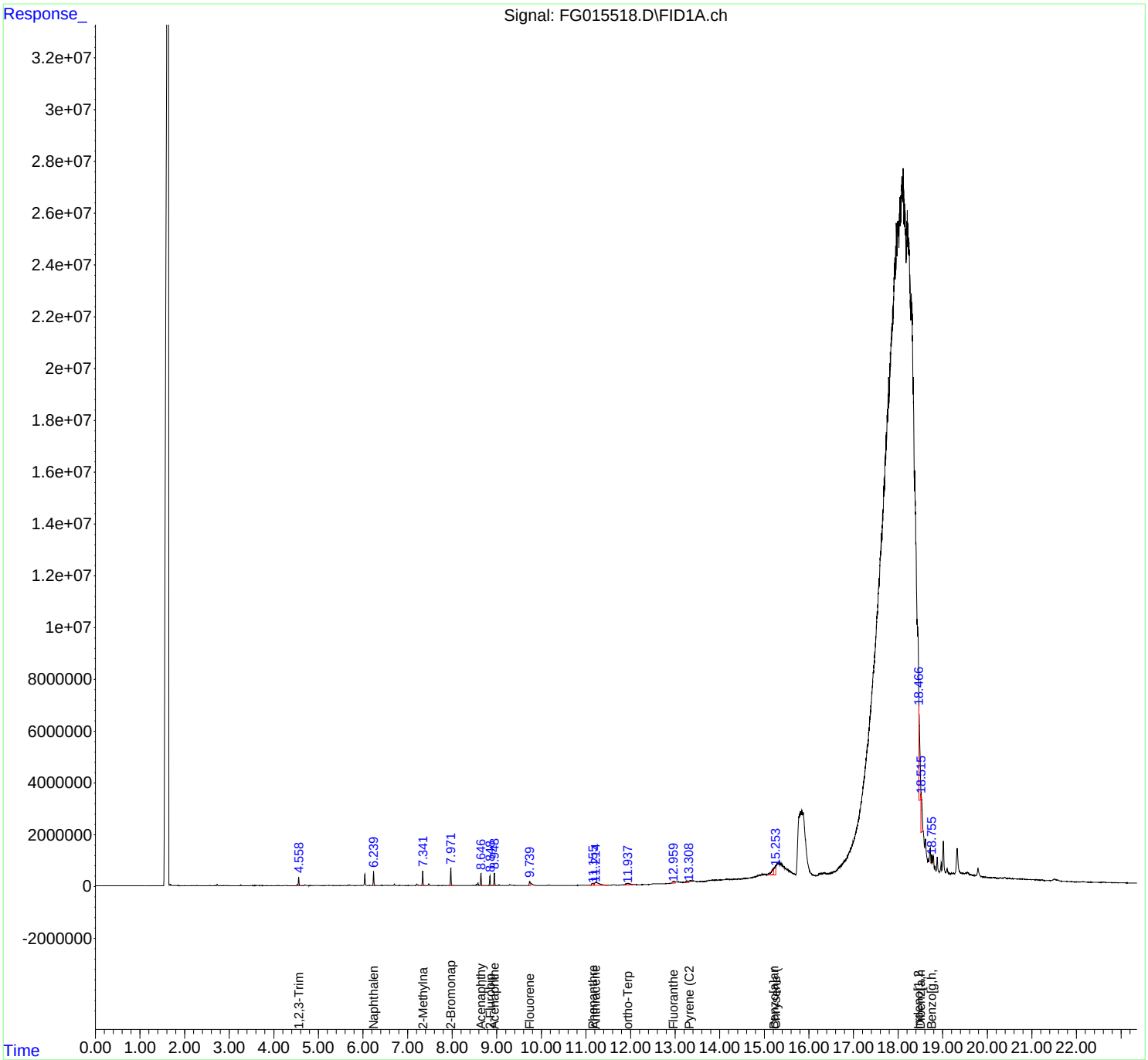
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015518.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 14:58
Operator : YP\AJ
Sample : Q1574-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 21 01:32:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
WC1MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



Instrument :
FID_G
ClientSampleId :
WC1MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03202
Data File : FG015518.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 14:58
Sample : Q1574-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.288	4.274	4.344	PV	3051	14632	0.00%	0.000%
2	4.354	4.344	4.375	PV	256	1958	0.00%	0.000%
3	4.386	4.375	4.396	PV	207	1402	0.00%	0.000%
4	4.414	4.396	4.445	VV	551	9104	0.00%	0.000%
5	4.464	4.445	4.497	VV	1064	18705	0.00%	0.000%
6	4.524	4.497	4.539	VV	42042	423773	0.01%	0.003%
7	4.559	4.539	4.591	VV	341629	3409185	0.06%	0.025%
8	4.599	4.591	4.617	VV	2743	34194	0.00%	0.000%
9	4.635	4.617	4.669	VV	3277	64776	0.00%	0.000%
10	4.693	4.669	4.763	VV	39300	820743	0.01%	0.006%
11	4.777	4.763	4.793	VV	6773	94762	0.00%	0.001%
12	4.810	4.793	4.830	PV	7829	101927	0.00%	0.001%
13	4.844	4.830	4.865	VV	3001	47046	0.00%	0.000%
14	4.893	4.865	4.927	VV	12319	217693	0.00%	0.002%
15	4.944	4.927	4.970	VV	7235	125829	0.00%	0.001%
16	4.989	4.970	5.008	VV	3440	70521	0.00%	0.001%
17	5.026	5.008	5.058	VV	11976	162999	0.00%	0.001%
18	5.082	5.058	5.094	VV	2366	42534	0.00%	0.000%
19	5.107	5.094	5.123	VV	3704	47327	0.00%	0.000%
20	5.139	5.123	5.155	VV	2446	39433	0.00%	0.000%
21	5.180	5.155	5.212	VV	6236	134287	0.00%	0.001%
22	5.230	5.212	5.263	VV	20003	312261	0.01%	0.002%
23	5.280	5.263	5.301	VV	8520	147399	0.00%	0.001%
24	5.314	5.301	5.333	VV	9718	113641	0.00%	0.001%
25	5.347	5.333	5.360	VV	3362	39747	0.00%	0.000%
26	5.373	5.360	5.400	VV	3378	58277	0.00%	0.000%
27	5.415	5.400	5.451	VV	2820	55937	0.00%	0.000%
28	5.471	5.451	5.500	VV	13954	168386	0.00%	0.001%
29	5.524	5.500	5.563	VV	7279	129082	0.00%	0.001%
30	5.577	5.563	5.585	VV	2400	25165	0.00%	0.000%
31	5.612	5.585	5.644	VV	4546	102989	0.00%	0.001%
32	5.663	5.644	5.679	VV	22682	261072	0.00%	0.002%
33	5.696	5.679	5.723	VV	32920	404318	0.01%	0.003%
34	5.750	5.723	5.815	VV	8469	226637	0.00%	0.002%
35	5.827	5.815	5.844	VV	2316	28965	0.00%	0.000%
36	5.862	5.844	5.880	VV	4921	68348	0.00%	0.001%

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Instrument :
FID_G
ClientSampleId :
WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

rteres

37	5.893	5.880	5.904	VV	5006	57363	0.00%	0.000%
38	5.913	5.904	5.936	VV	4068	62020	0	
39	5.959	5.936	5.973	VV	13624	164014	0	
40	5.985	5.973	6.000	VV	10482	123547	0	
41	6.042	6.000	6.107	VV	444914	5296383	0	
42	6.112	6.107	6.126	VV	5327	53550	0	
43	6.146	6.126	6.170	VV	11972	193915	0.00%	0.001%
44	6.205	6.170	6.216	VV	9413	189212	0.00%	0.001%
45	6.239	6.216	6.269	VV	558868	5436418	0.10%	0.040%
46	6.280	6.269	6.322	VV	12498	242642	0.00%	0.002%
47	6.350	6.322	6.367	VV	10396	162068	0.00%	0.001%
48	6.404	6.367	6.415	VV	12209	251076	0.00%	0.002%
49	6.427	6.415	6.434	VV	12152	126988	0.00%	0.001%
50	6.443	6.434	6.462	VV	12660	172744	0.00%	0.001%
51	6.513	6.462	6.554	VV	20299	678388	0.01%	0.005%
52	6.571	6.554	6.605	VV	11564	235445	0.00%	0.002%
53	6.620	6.605	6.632	VV	7833	97613	0.00%	0.001%
54	6.644	6.632	6.669	VV	6507	110423	0.00%	0.001%
55	6.705	6.669	6.755	VV	59906	905079	0.02%	0.007%
56	6.768	6.755	6.772	VV	3838	34206	0.00%	0.000%
57	6.817	6.772	6.839	VV	11445	298121	0.01%	0.002%
58	6.856	6.839	6.887	VV	7397	144661	0.00%	0.001%
59	6.905	6.887	6.922	VV	5338	80975	0.00%	0.001%
60	6.934	6.922	6.953	VV	3791	47432	0.00%	0.000%
61	6.987	6.953	7.012	VV	7299	119178	0.00%	0.001%
62	7.053	7.012	7.082	VV	4651	99268	0.00%	0.001%
63	7.088	7.082	7.097	VV	1410	12023	0.00%	0.000%
64	7.112	7.097	7.118	VV	2931	28946	0.00%	0.000%
65	7.143	7.118	7.177	VV	4532	99414	0.00%	0.001%
66	7.207	7.177	7.232	VV	68397	957343	0.02%	0.007%
67	7.241	7.232	7.267	VV	23829	304210	0.01%	0.002%
68	7.281	7.267	7.292	VV	6071	82519	0.00%	0.001%
69	7.297	7.292	7.309	VV	4631	39482	0.00%	0.000%
70	7.341	7.309	7.415	VV	577792	5883759	0.10%	0.044%
71	7.433	7.415	7.451	VV	6385	101605	0.00%	0.001%
72	7.477	7.451	7.501	VV	78412	879680	0.02%	0.007%
73	7.514	7.501	7.535	VV	10385	164194	0.00%	0.001%
74	7.541	7.535	7.560	VV	5227	64765	0.00%	0.000%
75	7.566	7.560	7.582	VV	3014	34129	0.00%	0.000%
76	7.591	7.582	7.605	VV	2087	26800	0.00%	0.000%
77	7.622	7.605	7.640	VV	4392	62225	0.00%	0.000%
78	7.656	7.640	7.680	VV	3433	46423	0.00%	0.000%
79	7.692	7.680	7.700	VV	678	7269	0.00%	0.000%
80	7.730	7.700	7.766	VV	4665	84003	0.00%	0.001%
81	7.783	7.766	7.791	VV	1501	15321	0.00%	0.000%
82	7.811	7.791	7.858	VV	16382	207192	0.00%	0.002%
83	7.887	7.858	7.910	VV	3258	53703	0.00%	0.000%
84	7.923	7.910	7.934	VV	2171	24095	0.00%	0.000%
85	7.972	7.934	8.026	VV	690367	6874039	0.12%	0.051%
86	8.038	8.026	8.058	VV	2441	33665	0.00%	0.000%
87	8.083	8.058	8.098	VV	6297	87043	0.00%	0.001%
88	8.105	8.098	8.129	VV	3658	45152	0.00%	0.000%
89	8.156	8.129	8.172	VV	1494	31654	0.00%	0.000%

8

Instrument :
FID_G
ClientSampleId :
WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

rteres

90	8.187	8.172	8.205	VV	1555	20067	0.00%	0.000%
91	8.243	8.205	8.273	VV	5018	97143		
92	8.291	8.273	8.305	VV	2459	33893		
93	8.316	8.305	8.323	VV	2336	22383		
94	8.341	8.323	8.349	VV	7223	78738		
95	8.355	8.349	8.371	VV	6878	70864		
96	8.379	8.371	8.404	VV	3780	46881	0.00%	0.000%
97	8.432	8.404	8.445	VV	7077	104561	0.00%	0.001%
98	8.461	8.445	8.474	VV	14089	160802	0.00%	0.001%
99	8.487	8.474	8.509	VV	11919	139244	0.00%	0.001%
100	8.543	8.509	8.561	VV	54502	603045	0.01%	0.004%
101	8.580	8.561	8.605	VV	113264	1163471	0.02%	0.009%
102	8.647	8.605	8.687	VV	471033	4944942	0.09%	0.037%
103	8.702	8.687	8.722	VV	4088	60165	0.00%	0.000%
104	8.738	8.722	8.760	VV	4889	63550	0.00%	0.000%
105	8.779	8.760	8.818	VV	3892	63858	0.00%	0.000%
106	8.849	8.818	8.883	PV	379955	3996384	0.07%	0.030%
107	8.904	8.883	8.921	VV	13064	157021	0.00%	0.001%
108	8.949	8.921	8.968	VV	495024	5118323	0.09%	0.038%
109	8.977	8.968	9.000	VV	24257	302965	0.01%	0.002%
110	9.015	9.000	9.029	VV	9554	140638	0.00%	0.001%
111	9.051	9.029	9.080	VV	39618	517926	0.01%	0.004%
112	9.088	9.080	9.105	VV	4584	67762	0.00%	0.001%
113	9.121	9.105	9.161	VV	8905	166334	0.00%	0.001%
114	9.166	9.161	9.169	VV	2263	10897	0.00%	0.000%
115	9.190	9.169	9.207	VV	4164	66030	0.00%	0.000%
116	9.225	9.207	9.252	VV	6555	97818	0.00%	0.001%
117	9.293	9.252	9.379	VV	43284	1289772	0.02%	0.010%
118	9.399	9.379	9.446	VV	9861	238950	0.00%	0.002%
119	9.465	9.446	9.502	VV	3171	65061	0.00%	0.000%
120	9.517	9.502	9.536	VV	2592	30383	0.00%	0.000%
121	9.552	9.536	9.578	VV	1483	16963	0.00%	0.000%
122	9.606	9.578	9.639	VV	666	13658	0.00%	0.000%
123	9.658	9.639	9.692	PV	931	13865	0.00%	0.000%
124	9.739	9.692	9.940	VV	165977	5357200	0.09%	0.040%
125	9.984	9.940	10.008	VV	4342	138538	0.00%	0.001%
126	10.032	10.008	10.070	VV	4063	132938	0.00%	0.001%
127	10.089	10.070	10.127	VV	4094	123323	0.00%	0.001%
128	10.170	10.127	10.271	VV	20450	662386	0.01%	0.005%
129	10.276	10.271	10.279	VV	430	1663	0.00%	0.000%
130	10.294	10.279	10.300	VV	492	5291	0.00%	0.000%
131	10.350	10.300	10.366	VV	496	16668	0.00%	0.000%
132	10.373	10.366	10.385	VV	388	3623	0.00%	0.000%
133	10.394	10.385	10.409	VV	315	2362	0.00%	0.000%
134	10.434	10.409	10.439	PV	230	2165	0.00%	0.000%
135	10.503	10.439	10.507	PV	498	9827	0.00%	0.000%
136	10.511	10.507	10.515	VV	471	1698	0.00%	0.000%
137	10.630	10.515	10.652	VV	1588	74241	0.00%	0.001%
138	10.675	10.652	10.715	VV	2001	52833	0.00%	0.000%
139	10.733	10.715	10.743	VV	991	14650	0.00%	0.000%
140	10.749	10.743	10.753	VV	766	3903	0.00%	0.000%
141	10.759	10.753	10.771	VV	729	6551	0.00%	0.000%

8

Instrument :
FID_G
ClientSampleId :
WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

rteres

142	10.843	10.771	10.849	VV	3115	96343	0.00%	0.001%
143	10.871	10.849	10.875	VV	3063	46713		
144	10.882	10.875	10.890	VV	3093	25555		
145	10.913	10.890	10.927	VV	2732	56784		
146	10.949	10.927	10.958	VV	2865	48013		
147	10.982	10.958	10.995	VV	3269	63550		
148	11.003	10.995	11.022	VV	2962	39022	0.00%	0.000%
149	11.030	11.022	11.055	VV	2524	38763	0.00%	0.000%
150	11.060	11.055	11.087	VV	1657	24399	0.00%	0.000%
151	11.091	11.087	11.098	VV	977	5342	0.00%	0.000%
152	11.155	11.098	11.188	VV	80926	2794088	0.05%	0.021%
153	11.214	11.188	11.495	VV	116443	8336629	0.15%	0.062%
154	11.502	11.495	11.507	VV	671	2321	0.00%	0.000%
155	11.622	11.507	11.700	PV	16169	625168	0.01%	0.005%
156	11.709	11.700	11.720	VV	621	5903	0.00%	0.000%
157	11.724	11.720	11.727	VV	808	1710	0.00%	0.000%
158	11.735	11.727	11.741	VV	516	2750	0.00%	0.000%
159	11.826	11.741	11.864	PV	7656	383206	0.01%	0.003%
160	11.912	11.864	11.917	VV	55270	1091191	0.02%	0.008%
161	11.937	11.917	12.105	VV	60760	3610042	0.06%	0.027%
162	12.115	12.105	12.158	VV	7742	182994	0.00%	0.001%
163	12.165	12.158	12.170	VV	3557	21339	0.00%	0.000%
164	12.172	12.170	12.182	VV	3117	17036	0.00%	0.000%
165	12.191	12.182	12.212	VV	2534	19453	0.00%	0.000%
166	12.261	12.212	12.267	PV	715	4018	0.00%	0.000%
167	12.330	12.267	12.337	PV	2314	72357	0.00%	0.001%
168	12.349	12.337	12.364	VV	2318	26301	0.00%	0.000%
169	12.374	12.364	12.378	VV	1420	9593	0.00%	0.000%
170	12.409	12.378	12.413	PV	2297	25249	0.00%	0.000%
171	12.421	12.413	12.427	VV	1145	7009	0.00%	0.000%
172	12.453	12.427	12.460	VV	2436	19097	0.00%	0.000%
173	12.515	12.460	12.531	VV	19520	550711	0.01%	0.004%
174	12.537	12.531	12.549	VV	18762	184159	0.00%	0.001%
175	12.555	12.549	12.582	VV	15707	290029	0.01%	0.002%
176	12.587	12.582	12.597	VV	14090	111798	0.00%	0.001%
177	12.603	12.597	12.612	VV	12834	106990	0.00%	0.001%
178	12.616	12.612	12.620	VV	11740	54508	0.00%	0.000%
179	12.629	12.620	12.634	VV	10410	80401	0.00%	0.001%
180	12.641	12.634	12.657	VV	10345	118675	0.00%	0.001%
181	12.665	12.657	12.675	VV	7986	73765	0.00%	0.001%
182	12.680	12.675	12.687	VV	6108	36772	0.00%	0.000%
183	12.690	12.687	12.700	VV	3989	26576	0.00%	0.000%
184	12.717	12.700	12.723	VV	3182	34364	0.00%	0.000%
185	12.734	12.723	12.739	VV	2546	17647	0.00%	0.000%
186	12.804	12.739	12.809	VV	2875	39114	0.00%	0.000%
187	12.871	12.809	12.875	VV	6622	118933	0.00%	0.001%
188	12.965	12.875	12.989	VV	75035	2828657	0.05%	0.021%
189	12.991	12.989	13.019	VV	66135	1091306	0.02%	0.008%
190	13.030	13.019	13.104	VV	58962	2592420	0.05%	0.019%
191	13.109	13.104	13.114	VV	42532	234358	0.00%	0.002%
192	13.119	13.114	13.128	VV	38086	292592	0.01%	0.002%
193	13.132	13.128	13.147	VV	32161	348520	0.01%	0.003%
194	13.151	13.147	13.160	VV	29783	208524	0.00%	0.002%

8

Instrument :
FID_G
ClientSampleId :
WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

A B C D E F G H I J

					rteres			
195	13.164	13.160	13.177	VV	23714	222024	0.00%	0.002%
196	13.180	13.177	13.209	VV	21753	363589		
197	13.285	13.209	13.292	VV	65035	2568963		
198	13.297	13.292	13.311	VV	64825	715706		
199	13.357	13.311	13.363	VV	69062	2093192		
200	13.377	13.363	13.393	VV	71193	1213721		
201	13.398	13.393	13.426	VV	65495	1187578	0.02%	0.009%
202	13.431	13.426	13.484	VV	54325	1464726	0.03%	0.011%
203	13.488	13.484	13.493	VV	31208	174798	0.00%	0.001%
204	13.501	13.493	13.510	VV	32085	284707	0.00%	0.002%
205	13.516	13.510	13.542	VV	31458	566868	0.01%	0.004%
206	13.565	13.542	13.619	VV	34443	1425343	0.02%	0.011%
207	13.625	13.619	13.642	VV	27606	354455	0.01%	0.003%
208	13.648	13.642	13.652	VV	27065	146578	0.00%	0.001%
209	13.667	13.652	13.672	VV	28881	300369	0.01%	0.002%
210	13.698	13.672	13.702	VV	30338	499131	0.01%	0.004%
211	13.776	13.702	13.780	VV	59959	2259791	0.04%	0.017%
212	13.836	13.780	13.847	VV	64939	2389694	0.04%	0.018%
213	13.860	13.847	13.865	VV	60779	654962	0.01%	0.005%
214	13.869	13.865	13.889	VV	60722	804814	0.01%	0.006%
215	13.894	13.889	13.902	VV	60929	459895	0.01%	0.003%
216	13.908	13.902	13.917	VV	57954	485001	0.01%	0.004%
217	13.922	13.917	13.927	VV	58461	336149	0.01%	0.002%
218	13.935	13.927	13.940	VV	56934	432620	0.01%	0.003%
219	13.977	13.940	13.997	VV	59657	1882342	0.03%	0.014%
220	14.009	13.997	14.015	VV	56075	600576	0.01%	0.004%
221	14.018	14.015	14.024	VV	56204	278265	0.00%	0.002%
222	14.037	14.024	14.049	VV	56421	843391	0.01%	0.006%
223	14.068	14.049	14.072	VV	58240	764991	0.01%	0.006%
224	14.098	14.072	14.107	VV	66387	1228293	0.02%	0.009%
225	14.153	14.107	14.182	VV	75342	3113999	0.05%	0.023%
226	14.187	14.182	14.193	VV	68263	457832	0.01%	0.003%
227	14.199	14.193	14.210	VV	66018	630619	0.01%	0.005%
228	14.221	14.210	14.239	VV	63612	1051551	0.02%	0.008%
229	14.283	14.239	14.289	VV	63167	1799024	0.03%	0.013%
230	14.293	14.289	14.296	VV	60101	259964	0.00%	0.002%
231	14.323	14.296	14.335	VV	62220	1388846	0.02%	0.010%
232	14.353	14.335	14.368	VV	62824	1197519	0.02%	0.009%
233	14.385	14.368	14.395	VV	65529	982488	0.02%	0.007%
234	14.437	14.395	14.444	VV	65618	1767875	0.03%	0.013%
235	14.489	14.444	14.499	VV	67898	2063725	0.04%	0.015%
236	14.591	14.499	14.598	VV	80663	4265183	0.07%	0.032%
237	14.627	14.598	14.635	VV	85624	1757005	0.03%	0.013%
238	14.909	14.635	14.918	VV	186286	20685875	0.36%	0.153%
239	14.948	14.918	14.980	VV	208063	7347153	0.13%	0.054%
240	14.989	14.980	14.995	VV	199942	1740055	0.03%	0.013%
241	15.011	14.995	15.060	VV	207952	7574497	0.13%	0.056%
242	15.325	15.060	15.504	VV	630430	113100307	1.98%	0.838%
243	15.510	15.504	15.699	VV	357299	28931469	0.51%	0.214%
244	15.804	15.699	15.820	VV	2563701	116412535	2.04%	0.862%
245	15.831	15.820	16.158	VV	2558419	186366498	3.26%	1.380%
246	16.167	16.158	16.184	VV	71514	1031841	0.02%	0.008%

Instrument :
FID_G
ClientSampleId :
WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

rteres

247	16.236	16.184	16.250	VV	129469	4094475	0.07%	0.030%
248	16.342	16.250	16.397	VV	151152	12345454		
249	16.409	16.397	16.419	VV	133397	1663088		
250	16.428	16.419	16.434	VV	124936	1068905		
251	16.449	16.434	16.458	VV	126238	1799063		
252	17.928	16.458	17.937	VV	23598054	5716984897		
253	17.961	17.937	17.975	VV	24792490	549675325	9.61%	4.072%
254	18.000	17.975	18.018	VV	25137601	638569848	11.17%	4.730%
255	18.049	18.018	18.057	VV	25945332	595978428	10.42%	4.415%
256	18.082	18.057	18.104	VV	26879968	733253278	12.83%	5.431%
257	18.114	18.104	18.185	VV	27200409	1247700803	21.82%	9.242%
258	18.205	18.185	18.282	VV	25517709	1376770389	24.08%	10.198%
259	18.295	18.282	18.592	VV	22393211	1895710237	33.16%	14.042%
260	18.613	18.592	18.689	VV	1301822	44026119	0.77%	0.326%
261	18.718	18.689	18.740	VV	931380	20181629	0.35%	0.149%
262	18.754	18.740	18.769	VV	697781	8989550	0.16%	0.067%
263	18.791	18.769	18.810	VV	598782	11288083	0.20%	0.084%
264	18.826	18.810	18.850	VV	217864	3684653	0.06%	0.027%
265	18.877	18.850	18.929	VV	593786	8550979	0.15%	0.063%
266	18.967	18.929	18.980	PV	316640	3668927	0.06%	0.027%

Sum of corrected areas: 13500327930

Aromatic EPH 031725.M Fri Mar 21 01:53:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015701.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 14:58
Operator : YP\AJ
Sample : Q1574-01MS
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
WC1MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 00:16:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	13.380	4949834	43.614 ug/mlm
Spiked Amount	50.000		Recovery =	87.23%
	Target Compounds			
1) T	n-Nonane (C9)	3.311	2298235	18.145 ug/ml
2) T	n-Decane (C10)	4.567	3086917	24.038 ug/ml
4) T	n-Dodecane (C12)	6.734	4203757	32.257 ug/ml
6) T	n-Tetradecane (C14)	8.562	4668957	36.052 ug/ml
7) T	n-Hexadecane (C16)	10.170	4797433	35.876 ug/ml
8) T	n-Octadecane (C18)	11.614	5085264	36.929 ug/ml
10) T	n-Eicosane (C20)	12.931	5315123	39.437 ug/ml
11) T	n-Heneicosane (C21)	13.549	4427098	33.126 ug/mlm
13) T	n-Docosane (C22)	14.142	4860642	36.323 ug/mlm
14) T	n-Tetracosane (C24)	15.256	6498588	48.543 ug/mlm
15) T	n-Hexacosane (C26)	16.284	5400042	41.288 ug/mlm
16) T	n-Octacosane (C28)	17.243	5708777	43.701 ug/mlm
17) T	n-Tricontane (C30)	18.130	4435401	32.891 ug/mlm
18) T	n-Dotriacontane (C32)	18.955	5026766	38.548 ug/mlm
19) T	n-Tetratriacontane (C34)	19.737	5852980	50.140 ug/mlm
20) T	n-Hexatriacontane (C36)	20.473	3796915	38.249 ug/mlm
21) T	n-Octatriacontane (C38)	21.210	3847371	44.034 ug/mlm
22) T	n-Tetracontane (C40)	22.125	4506427	56.152 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

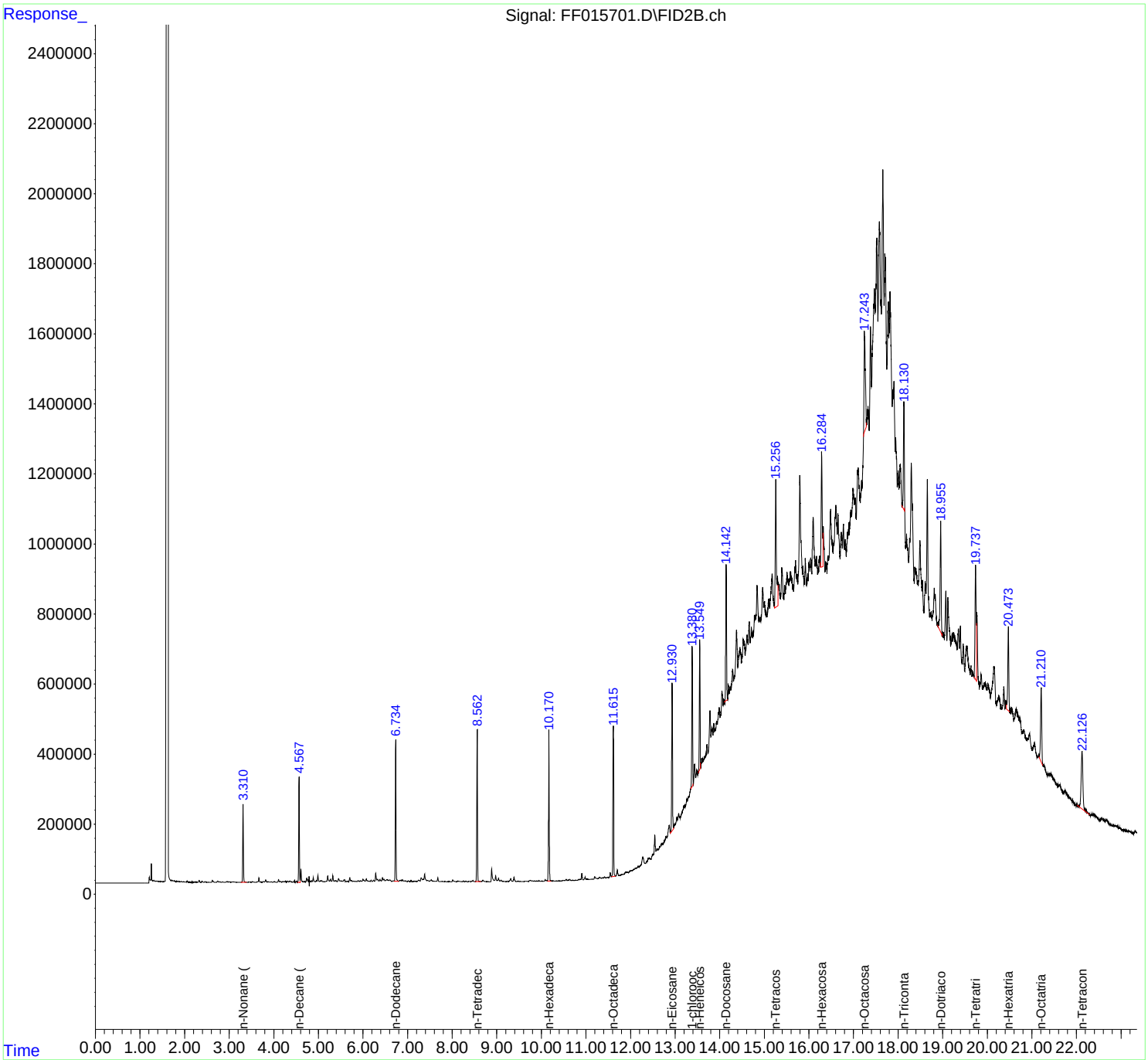
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015701.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 14:58
Operator : YP\AJ
Sample : Q1574-01MS
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
WC1MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 00:16:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



Instrument :
FID_F
ClientSampleId :
WC1MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03202
Data File : FF015701.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 14:58
Sample : Q1574-01MS
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.851	2.801	2.911	BV	1601	19131	0.02%	0.001%
2	2.947	2.911	2.968	PV	1995	34110	0.03%	0.001%
3	2.980	2.968	2.993	VV	1190	15399	0.01%	0.000%
4	3.011	2.993	3.038	VV	1445	28006	0.03%	0.001%
5	3.091	3.038	3.151	VV	1589	62035	0.06%	0.002%
6	3.167	3.151	3.210	VV	574	10524	0.01%	0.000%
7	3.236	3.210	3.253	PV	344	3698	0.00%	0.000%
8	3.311	3.253	3.395	VV	222404	2310225	2.17%	0.063%
9	3.455	3.395	3.473	VV	1086	29050	0.03%	0.001%
10	3.484	3.473	3.500	VV	661	8206	0.01%	0.000%
11	3.521	3.500	3.541	VV	2353	30946	0.03%	0.001%
12	3.554	3.541	3.585	VV	948	15796	0.01%	0.000%
13	3.594	3.585	3.607	VV	433	4674	0.00%	0.000%
14	3.629	3.607	3.641	VV	1745	22268	0.02%	0.001%
15	3.667	3.641	3.691	VV	12982	145917	0.14%	0.004%
16	3.703	3.691	3.726	VV	1089	17389	0.02%	0.000%
17	3.734	3.726	3.745	VV	497	5107	0.00%	0.000%
18	3.764	3.745	3.787	VV	2469	39592	0.04%	0.001%
19	3.819	3.787	3.854	VV	7421	110627	0.10%	0.003%
20	3.871	3.854	3.927	VV	1988	48945	0.05%	0.001%
21	3.947	3.927	3.974	VV	1666	23722	0.02%	0.001%
22	4.007	3.974	4.056	VV	1768	38569	0.04%	0.001%
23	4.108	4.056	4.128	VV	8068	96889	0.09%	0.003%
24	4.143	4.128	4.182	VV	2465	50053	0.05%	0.001%
25	4.217	4.182	4.239	VV	2142	51839	0.05%	0.001%
26	4.259	4.239	4.285	VV	3118	50103	0.05%	0.001%
27	4.310	4.285	4.338	VV	3599	67740	0.06%	0.002%
28	4.366	4.338	4.415	VV	3394	80484	0.08%	0.002%
29	4.462	4.415	4.488	VV	3506	58359	0.05%	0.002%
30	4.509	4.488	4.536	VV	2674	44912	0.04%	0.001%
31	4.567	4.536	4.592	VV	301628	3066929	2.88%	0.083%
32	4.609	4.592	4.669	VV	37829	443053	0.42%	0.012%
33	4.689	4.669	4.711	VV	1621	32626	0.03%	0.001%
34	4.740	4.711	4.808	VV	11790	267031	0.25%	0.007%
35	4.817	4.808	4.833	VV	2993	37443	0.04%	0.001%
36	4.851	4.833	4.866	VV	4827	60703	0.06%	0.002%

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Instrument :
FID_F
ClientSampleId :
WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

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rteres

37	4.886	4.866	4.937	VV	12897	191326	0.18%	0.005%
38	4.957	4.937	4.970	VV	5695	70340		
39	4.990	4.970	5.020	VV	19299	247491		
40	5.049	5.020	5.062	VV	4712	81506		
41	5.075	5.062	5.105	VV	4591	72696		
42	5.121	5.105	5.138	VV	1961	31389		
43	5.154	5.138	5.163	VV	1705	22876	0.02%	0.001%
44	5.209	5.163	5.251	VV	17974	316197	0.30%	0.009%
45	5.271	5.251	5.293	VV	8568	128697	0.12%	0.003%
46	5.325	5.293	5.353	VV	18370	258874	0.24%	0.007%
47	5.369	5.353	5.378	VV	4220	52716	0.05%	0.001%
48	5.391	5.378	5.418	VV	4318	77963	0.07%	0.002%
49	5.454	5.418	5.483	VV	10493	200301	0.19%	0.005%
50	5.495	5.483	5.512	VV	3845	59377	0.06%	0.002%
51	5.523	5.512	5.551	VV	3541	65858	0.06%	0.002%
52	5.576	5.551	5.623	VV	6743	177998	0.17%	0.005%
53	5.644	5.623	5.662	VV	3300	49927	0.05%	0.001%
54	5.705	5.662	5.729	VV	13209	208095	0.20%	0.006%
55	5.743	5.729	5.766	VV	5366	81267	0.08%	0.002%
56	5.782	5.766	5.812	VV	2863	63501	0.06%	0.002%
57	5.826	5.812	5.842	VV	2541	38727	0.04%	0.001%
58	5.853	5.842	5.866	VV	2142	26812	0.03%	0.001%
59	5.890	5.866	5.918	VV	4393	92068	0.09%	0.002%
60	5.951	5.918	5.978	VV	3501	101962	0.10%	0.003%
61	5.999	5.978	6.048	VV	8684	204807	0.19%	0.006%
62	6.074	6.048	6.092	VV	9232	144583	0.14%	0.004%
63	6.101	6.092	6.125	VV	4384	64670	0.06%	0.002%
64	6.136	6.125	6.162	VV	3180	56530	0.05%	0.002%
65	6.182	6.162	6.207	VV	5610	88012	0.08%	0.002%
66	6.238	6.207	6.261	VV	5599	109076	0.10%	0.003%
67	6.287	6.261	6.311	VV	25234	359560	0.34%	0.010%
68	6.322	6.311	6.358	VV	7783	170355	0.16%	0.005%
69	6.380	6.358	6.413	VV	7660	156851	0.15%	0.004%
70	6.439	6.413	6.457	VV	12531	202763	0.19%	0.005%
71	6.471	6.457	6.497	VV	8323	147186	0.14%	0.004%
72	6.535	6.497	6.582	VV	7254	276846	0.26%	0.008%
73	6.603	6.582	6.645	VV	6637	170818	0.16%	0.005%
74	6.681	6.645	6.703	VV	3342	100005	0.09%	0.003%
75	6.734	6.703	6.800	VV	407821	4320158	4.06%	0.117%
76	6.822	6.800	6.837	VV	4848	79339	0.07%	0.002%
77	6.852	6.837	6.869	VV	5232	79572	0.07%	0.002%
78	6.886	6.869	6.910	VV	7273	110977	0.10%	0.003%
79	6.922	6.910	6.936	VV	3271	44753	0.04%	0.001%
80	6.960	6.936	6.991	VV	3557	80187	0.08%	0.002%
81	7.022	6.991	7.045	VV	3676	71355	0.07%	0.002%
82	7.066	7.045	7.078	VV	2362	37361	0.04%	0.001%
83	7.095	7.078	7.115	VV	2374	40993	0.04%	0.001%
84	7.129	7.115	7.137	VV	1493	16622	0.02%	0.000%
85	7.164	7.137	7.177	VV	2216	41090	0.04%	0.001%
86	7.188	7.177	7.210	VV	1914	32483	0.03%	0.001%
87	7.247	7.210	7.282	VV	5530	148309	0.14%	0.004%
88	7.306	7.282	7.336	VV	11864	258873	0.24%	0.007%
89	7.351	7.336	7.363	VV	7912	115866	0.11%	0.003%

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90	7.384	7.363	7.432	VV	22475	427800	0.40%	0.012%
91	7.451	7.432	7.496	VV	4835	132868		
92	7.531	7.496	7.608	VV	5695	214450		
93	7.621	7.608	7.654	VV	2012	51815		
94	7.680	7.654	7.722	VV	12274	170481		
95	7.740	7.722	7.755	VV	1229	21817		
96	7.772	7.755	7.802	VV	1715	34779	0.03%	0.001%
97	7.814	7.802	7.828	VV	1049	14780	0.01%	0.000%
98	7.854	7.828	7.879	VV	1599	30867	0.03%	0.001%
99	7.897	7.879	7.907	VV	733	9465	0.01%	0.000%
100	7.916	7.907	7.926	VV	710	8162	0.01%	0.000%
101	7.943	7.926	7.963	VV	1708	21072	0.02%	0.001%
102	7.970	7.963	7.981	VV	347	2879	0.00%	0.000%
103	8.013	7.981	8.098	VV	5635	126167	0.12%	0.003%
104	8.137	8.098	8.155	VV	1925	48004	0.05%	0.001%
105	8.161	8.155	8.192	VV	1576	24462	0.02%	0.001%
106	8.208	8.192	8.228	VV	1216	17917	0.02%	0.000%
107	8.253	8.228	8.276	VV	2782	37147	0.03%	0.001%
108	8.309	8.276	8.333	VV	2460	40978	0.04%	0.001%
109	8.348	8.333	8.361	VV	975	12458	0.01%	0.000%
110	8.379	8.361	8.413	VV	1750	30267	0.03%	0.001%
111	8.467	8.413	8.494	VV	4302	96042	0.09%	0.003%
112	8.504	8.494	8.528	VV	933	15041	0.01%	0.000%
113	8.562	8.528	8.641	VV	434468	4712368	4.43%	0.128%
114	8.689	8.641	8.741	VV	4806	116428	0.11%	0.003%
115	8.754	8.741	8.774	VV	915	13891	0.01%	0.000%
116	8.795	8.774	8.835	VV	999	16690	0.02%	0.000%
117	8.855	8.835	8.863	PV	132	1124	0.00%	0.000%
118	8.887	8.863	8.943	VV	36249	587691	0.55%	0.016%
119	8.978	8.943	9.021	VV	16870	310306	0.29%	0.008%
120	9.041	9.021	9.068	VV	10272	159561	0.15%	0.004%
121	9.100	9.068	9.139	VV	4467	106756	0.10%	0.003%
122	9.156	9.139	9.186	VV	1350	27192	0.03%	0.001%
123	9.216	9.186	9.238	VV	854	20485	0.02%	0.001%
124	9.314	9.238	9.360	VV	9198	200328	0.19%	0.005%
125	9.388	9.360	9.450	VV	13039	204678	0.19%	0.006%
126	9.476	9.450	9.508	VV	1921	32244	0.03%	0.001%
127	9.522	9.508	9.551	VV	608	8663	0.01%	0.000%
128	9.647	9.551	9.658	PV	865	27216	0.03%	0.001%
129	9.688	9.658	9.708	VV	1013	23423	0.02%	0.001%
130	9.758	9.708	9.789	VV	3410	99821	0.09%	0.003%
131	9.805	9.789	9.822	VV	2016	30725	0.03%	0.001%
132	9.849	9.822	9.874	VV	1600	36301	0.03%	0.001%
133	9.895	9.874	9.931	VV	1746	32626	0.03%	0.001%
134	9.948	9.931	9.976	VV	3280	37013	0.03%	0.001%
135	10.005	9.976	10.052	PV	919	21787	0.02%	0.001%
136	10.088	10.052	10.103	VV	4728	58968	0.06%	0.002%
137	10.111	10.103	10.135	VV	3056	39405	0.04%	0.001%
138	10.170	10.135	10.215	VV	434517	4828466	4.53%	0.131%
139	10.235	10.215	10.257	VV	1371	25280	0.02%	0.001%
140	10.268	10.257	10.313	VV	847	14840	0.01%	0.000%
141	10.342	10.313	10.361	VV	615	9466	0.01%	0.000%

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142	10.381	10.361	10.390	VV	385	5324	0.01%	0.000%
143	10.408	10.390	10.428	VV	387	5113	0	
144	10.447	10.428	10.465	PV	746	9172	0	
145	10.487	10.465	10.529	VV	2063	45217	0	
146	10.558	10.529	10.581	VV	4720	72532	0	
147	10.604	10.581	10.618	VV	2391	38540	0	
148	10.637	10.618	10.681	VV	3978	72537	0.07%	0.002%
149	10.703	10.681	10.738	VV	1556	21439	0.02%	0.001%
150	10.764	10.738	10.782	PV	1301	17171	0.02%	0.000%
151	10.835	10.782	10.852	VV	2657	48068	0.05%	0.001%
152	10.873	10.852	10.885	VV	3340	48340	0.05%	0.001%
153	10.908	10.885	10.945	VV	19164	244330	0.23%	0.007%
154	10.980	10.945	11.007	VV	8534	137099	0.13%	0.004%
155	11.035	11.007	11.068	VV	2431	51051	0.05%	0.001%
156	11.088	11.068	11.111	VV	970	18172	0.02%	0.000%
157	11.132	11.111	11.174	VV	1077	24835	0.02%	0.001%
158	11.197	11.174	11.219	PV	7588	102762	0.10%	0.003%
159	11.229	11.219	11.265	VV	3031	56223	0.05%	0.002%
160	11.308	11.265	11.347	VV	4695	124633	0.12%	0.003%
161	11.363	11.347	11.378	VV	2525	33586	0.03%	0.001%
162	11.417	11.378	11.451	VV	4675	92760	0.09%	0.003%
163	11.478	11.451	11.493	VV	2368	45703	0.04%	0.001%
164	11.545	11.493	11.569	VV	15994	257018	0.24%	0.007%
165	11.614	11.569	11.666	VV	434818	5288835	4.97%	0.143%
166	11.703	11.666	11.747	VV	21898	464525	0.44%	0.013%
167	11.774	11.747	11.783	VV	6174	119484	0.11%	0.003%
168	11.809	11.783	11.829	VV	7709	181270	0.17%	0.005%
169	11.889	11.829	11.926	VV	13126	604200	0.57%	0.016%
170	11.936	11.926	11.955	VV	12403	198019	0.19%	0.005%
171	12.010	11.955	12.028	VV	16657	631627	0.59%	0.017%
172	12.076	12.028	12.084	VV	18690	573213	0.54%	0.016%
173	12.106	12.084	12.117	VV	22362	416353	0.39%	0.011%
174	12.131	12.117	12.141	VV	21828	307935	0.29%	0.008%
175	12.169	12.141	12.191	VV	26051	736078	0.69%	0.020%
176	12.280	12.191	12.328	VV	50786	2965790	2.79%	0.080%
177	12.415	12.328	12.461	VV	46686	3314790	3.11%	0.090%
178	12.542	12.461	12.568	VV	111989	4236596	3.98%	0.115%
179	12.598	12.568	12.613	VV	71106	1841802	1.73%	0.050%
180	12.652	12.613	12.663	VV	77329	2176697	2.04%	0.059%
181	12.712	12.663	12.728	VV	85876	3235578	3.04%	0.088%
182	12.792	12.728	12.817	VV	103768	5114029	4.80%	0.139%
183	12.867	12.817	12.896	VV	136414	5702494	5.36%	0.155%
184	12.931	12.896	12.961	VV	541443	9940816	9.34%	0.269%
185	13.037	12.961	13.058	VV	154738	8229080	7.73%	0.223%
186	13.079	13.058	13.108	VV	166929	4793712	4.50%	0.130%
187	13.209	13.108	13.222	VV	189383	11807826	11.09%	0.320%
188	13.262	13.222	13.274	VV	206089	6137088	5.76%	0.166%
189	13.381	13.274	13.407	VV	641093	23167514	21.76%	0.628%
190	13.433	13.407	13.459	VV	303061	8672291	8.14%	0.235%
191	13.481	13.459	13.503	VV	287118	7405402	6.96%	0.201%
192	13.550	13.503	13.576	VV	657827	16800849	15.78%	0.455%
193	13.595	13.576	13.610	VV	317096	6354121	5.97%	0.172%
194	13.715	13.610	13.736	VV	354246	24666389	23.17%	0.668%

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195	13.779	13.736	13.802	VV	453346	15503796	14.56%	0.420%
196	13.825	13.802	13.847	VV	403922	10612840	9	
197	13.867	13.847	13.897	VV	412494	12151486	11	
198	13.934	13.897	13.948	VV	421034	12501537	11	
199	13.986	13.948	14.007	VV	455402	15650377	14	
200	14.050	14.007	14.076	VV	500864	19293169	18	
201	14.090	14.076	14.105	VV	482000	8293522	7.79%	0.225%
202	14.143	14.105	14.173	VV	860186	24270916	22.80%	0.658%
203	14.192	14.173	14.210	VV	519775	11383839	10.69%	0.308%
204	14.232	14.210	14.247	VV	515120	11283139	10.60%	0.306%
205	14.290	14.247	14.310	VV	563046	20245750	19.01%	0.549%
206	14.376	14.310	14.405	VV	673780	33623801	31.58%	0.911%
207	14.451	14.405	14.485	VV	625979	28919239	27.16%	0.784%
208	14.526	14.485	14.571	VV	646645	32261674	30.30%	0.874%
209	14.610	14.571	14.633	VV	657855	23581894	22.15%	0.639%
210	14.660	14.633	14.681	VV	694853	19142617	17.98%	0.519%
211	14.708	14.681	14.725	VV	679214	17196035	16.15%	0.466%
212	14.735	14.725	14.745	VV	662441	7785626	7.31%	0.211%
213	14.779	14.745	14.788	VV	712769	17964954	16.87%	0.487%
214	14.836	14.788	14.888	VV	794954	43618040	40.97%	1.182%
215	14.897	14.888	14.923	VV	704937	14780325	13.88%	0.401%
216	14.961	14.923	15.055	VV	787155	58151851	54.62%	1.576%
217	15.097	15.055	15.121	VV	748792	29357254	27.57%	0.796%
218	15.174	15.121	15.228	VV	821588	49402878	46.40%	1.339%
219	15.256	15.228	15.284	VV	1084243	30363199	28.52%	0.823%
220	15.296	15.284	15.361	VV	819801	36202464	34.00%	0.981%
221	15.392	15.361	15.437	VV	843193	36020193	33.83%	0.976%
222	15.454	15.437	15.471	VV	789356	15873403	14.91%	0.430%
223	15.508	15.471	15.548	VV	829221	37501122	35.22%	1.016%
224	15.591	15.548	15.632	VV	826734	40730570	38.25%	1.104%
225	15.645	15.632	15.655	VV	790383	10584632	9.94%	0.287%
226	15.700	15.655	15.718	VV	856832	31176252	29.28%	0.845%
227	15.728	15.718	15.751	VV	820542	16014056	15.04%	0.434%
228	15.795	15.751	15.852	VV	1097908	55319104	51.96%	1.499%
229	15.862	15.852	15.891	VV	834929	19543535	18.36%	0.530%
230	15.919	15.891	15.938	VV	855309	23017662	21.62%	0.624%
231	16.004	15.938	16.020	VV	852155	40529014	38.06%	1.098%
232	16.042	16.020	16.061	VV	862383	20579469	19.33%	0.558%
233	16.094	16.061	16.155	VV	978911	50138300	47.09%	1.359%
234	16.171	16.155	16.202	VV	866601	24171767	22.70%	0.655%
235	16.241	16.202	16.254	VV	864478	26074662	24.49%	0.707%
236	16.285	16.254	16.311	VV	1161055	34094015	32.02%	0.924%
237	16.321	16.311	16.363	VV	948624	27627774	25.95%	0.749%
238	16.380	16.363	16.403	VV	846378	20050514	18.83%	0.543%
239	16.423	16.403	16.435	VV	862812	16053126	15.08%	0.435%
240	16.439	16.435	16.445	VV	864829	5642167	5.30%	0.153%
241	16.483	16.445	16.545	VV	992321	54615076	51.29%	1.480%
242	16.599	16.545	16.636	VV	998534	51753086	48.61%	1.402%
243	16.651	16.636	16.695	VV	980627	32957061	30.95%	0.893%
244	16.728	16.695	16.751	VV	926315	30334388	28.49%	0.822%
245	16.771	16.751	16.798	VV	949594	25562044	24.01%	0.693%
246	16.814	16.798	16.838	VV	903330	21452888	20.15%	0.581%

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247	16.892	16.838	16.905	VV	948527	36635949	34.41%	0.993%
248	16.945	16.905	16.959	VV	990684	31672296	29	
249	16.989	16.959	17.031	VV	1047695	44084297	41	
250	17.040	17.031	17.065	VV	1021808	19908672	18	
251	17.103	17.065	17.151	VV	1111698	54705727	51	
252	17.247	17.151	17.297	VV	1474581	106474498	100	
253	17.325	17.297	17.349	VV	1276053	38924291	36.56%	1.055%
254	17.380	17.349	17.401	VV	1505599	43193528	40.57%	1.170%
255	17.467	17.401	17.485	VV	1617337	75044369	70.48%	2.034%
256	17.520	17.485	17.546	VV	1755759	60182966	56.52%	1.631%
257	17.579	17.546	17.624	VV	1806452	78474980	73.70%	2.127%
258	17.657	17.624	17.685	VV	1946985	63552295	59.69%	1.722%
259	17.706	17.685	17.745	VV	1708461	57409510	53.92%	1.556%
260	17.782	17.745	17.801	VV	1568138	50396403	47.33%	1.366%
261	17.818	17.801	17.868	VV	1598357	58455662	54.90%	1.584%
262	17.906	17.868	17.981	VV	1341133	82936492	77.89%	2.247%
263	18.003	17.981	18.018	VV	1087379	23438880	22.01%	0.635%
264	18.048	18.018	18.087	VV	1105277	43834666	41.17%	1.188%
265	18.130	18.087	18.171	VV	1285740	53133287	49.90%	1.440%
266	18.189	18.171	18.236	VV	906990	33994722	31.93%	0.921%
267	18.295	18.236	18.362	VV	1107841	69534329	65.31%	1.884%
268	18.397	18.362	18.452	VV	806525	42560348	39.97%	1.153%
269	18.491	18.452	18.533	VV	884618	39298564	36.91%	1.065%
270	18.544	18.533	18.579	VV	771964	20065871	18.85%	0.544%
271	18.612	18.579	18.625	VV	760015	20260220	19.03%	0.549%
272	18.655	18.625	18.708	VV	1059924	39818255	37.40%	1.079%
273	18.736	18.708	18.762	VV	675271	21593972	20.28%	0.585%
274	18.809	18.762	18.896	VV	746449	55194297	51.84%	1.496%
275	18.954	18.896	19.011	VV	933510	48080728	45.16%	1.303%
276	19.017	19.011	19.035	VV	617374	8613214	8.09%	0.233%
277	19.069	19.035	19.094	VV	734526	23209990	21.80%	0.629%
278	19.117	19.094	19.178	VV	709980	32366944	30.40%	0.877%
279	19.207	19.178	19.225	VV	611992	16712751	15.70%	0.453%
280	19.245	19.225	19.318	VV	614708	33389894	31.36%	0.905%
281	19.352	19.318	19.373	VV	620879	19802135	18.60%	0.537%
282	19.395	19.373	19.440	VV	630267	22899746	21.51%	0.621%
283	19.461	19.440	19.493	VV	575171	17345263	16.29%	0.470%
284	19.547	19.493	19.618	VV	574609	40054877	37.62%	1.085%
285	19.632	19.618	19.655	VV	512858	11193713	10.51%	0.303%
286	19.664	19.655	19.700	VV	502310	13333729	12.52%	0.361%
287	19.737	19.700	19.837	VV	802304	47110593	44.25%	1.277%
288	19.862	19.837	19.905	VV	489984	19034546	17.88%	0.516%
289	19.913	19.905	19.917	VV	456469	3352698	3.15%	0.091%
290	19.939	19.917	19.951	VV	462199	9463739	8.89%	0.256%
291	19.957	19.951	19.985	VV	465691	9136434	8.58%	0.248%
292	20.010	19.985	20.070	VV	460710	22802492	21.42%	0.618%
293	20.149	20.070	20.215	VV	508019	39303546	36.91%	1.065%
294	20.261	20.215	20.298	VV	423398	20608836	19.36%	0.558%
295	20.308	20.298	20.328	VV	397776	7068293	6.64%	0.192%
296	20.372	20.328	20.400	VV	448865	17598241	16.53%	0.477%
297	20.416	20.400	20.440	VV	407899	9706195	9.12%	0.263%
298	20.472	20.440	20.504	VV	617603	18190048	17.08%	0.493%
299	20.514	20.504	20.527	VV	385903	5301922	4.98%	0.144%

Instrument :
FID_F
ClientSampleId :
WC1MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

rteres

300	20.543	20.527	20.598	VV	388794	15888129	14.92%	0.431%
301	20.648	20.598	20.672	VV	383813	16503987	15	
302	20.681	20.672	20.703	VV	373678	6633884	6	
303	20.712	20.703	20.726	VV	354727	4954916	4	
304	20.737	20.726	20.778	VV	355052	10401850	9	
305	20.794	20.778	20.803	VV	318672	4742861	4	
306	20.818	20.803	20.874	VV	322581	13080424	12.29%	0.354%
307	20.948	20.874	20.998	VV	308260	21730948	20.41%	0.589%
308	21.055	20.998	21.128	VV	280729	20408341	19.17%	0.553%
309	21.152	21.128	21.162	VV	246949	4974800	4.67%	0.135%
310	21.208	21.162	21.354	VV	437939	28425357	26.70%	0.770%
311	21.363	21.354	21.383	VV	188880	3204232	3.01%	0.087%
312	21.408	21.383	21.476	VV	189803	10304139	9.68%	0.279%
313	21.484	21.476	21.605	VV	174501	12528490	11.77%	0.340%
314	21.620	21.605	21.711	VV	155600	9184600	8.63%	0.249%
315	21.733	21.711	21.751	VV	137810	3247233	3.05%	0.088%
316	21.760	21.751	21.966	VV	136638	14749984	13.85%	0.400%
317	21.984	21.966	22.039	VV	95198	4116739	3.87%	0.112%
318	22.125	22.039	22.321	VV	245520	17320161	16.27%	0.469%
319	22.339	22.321	22.354	VV	63496	1253889	1.18%	0.034%
320	22.361	22.354	22.368	VV	63563	511681	0.48%	0.014%
321	22.377	22.368	22.519	VV	63594	5006143	4.70%	0.136%
322	22.570	22.519	22.589	VV	49359	1987932	1.87%	0.054%
323	22.597	22.589	22.641	VV	46255	1375163	1.29%	0.037%
324	22.684	22.641	22.759	VV	44842	2666945	2.50%	0.072%
325	22.769	22.759	22.795	VV	29998	607241	0.57%	0.016%
326	22.810	22.795	22.821	VV	28894	417470	0.39%	0.011%
327	22.837	22.821	22.848	VV	25874	407753	0.38%	0.011%
328	22.857	22.848	22.873	VV	26635	379367	0.36%	0.010%
329	22.895	22.873	22.945	VV	24761	964810	0.91%	0.026%
330	22.964	22.945	23.037	VV	19158	845805	0.79%	0.023%
331	23.049	23.037	23.089	VV	11402	310281	0.29%	0.008%
332	23.109	23.089	23.168	VV	9710	366864	0.34%	0.010%
333	23.184	23.168	23.297	VV	6559	215728	0.20%	0.006%
334	23.324	23.297	23.341	PBA	4116	208405	0.20%	0.006%

Sum of corrected areas: 3690274118

Aliphatic EPH 031725.M Fri Mar 21 00:52:57 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015519.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 15:27
Operator : YP\AJ
Sample : Q1574-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
WC1MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 01:32:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4)	S 2-Bromonaphthalene (S...	7.972	6634311	54.311 ug/ml
	Spiked Amount 50.000		Recovery =	108.62%
6)	S 2-Flurobiphenyl (SURR)	8.850	3808847	46.080 ug/ml
	Spiked Amount 50.000 Range	0 - 131	Recovery =	92.16%
11)	S ortho-Terphenyl (SURR)	11.970	3804129	26.086 ug/mlm
	Spiked Amount 50.000		Recovery =	52.17%
	Target Compounds			
1)	T 1,2,3-Trimethylbenzen...	4.561	3394165	25.542 ug/ml
2)	T Naphthalene (C11.7)	6.240	5074647	37.560 ug/mlm
3)	T 2-Methylnaphthalene (...	7.342	5461706	40.945 ug/ml
5)	T Acenaphthylene (C15.06)	8.648	4652940	32.853 ug/ml
7)	T Acenaphthene (C15.5)	8.949	4823411	35.354 ug/mlm
8)	T Flouorene (C16.55)	9.740	3067252	21.971 ug/mlm
9)	T Phenanthrene (C19.36)	11.171	2919726	20.724 ug/ml
10)	T Anthracene (C19.43)	11.220	7391690	54.016 ug/ml
12)	T Fluoranthene (C21.85)	12.960	3610033	25.315 ug/mlm
13)	T Pyrene (C20.8)	13.285	2446583	17.437 ug/mlm
14)	T Benzo[a]anthracene (C...	15.172	7183996	52.967 ug/mlm
15)	T Chrysene (C27.41)	15.232	15089184	107.786 ug/mlm
19)	T Indeno[1,2,3-cd]pyren...	18.481	24206195	217.563 ug/mlm
20)	T Dibenz[a,h]anthracene...	18.518	11108184	86.323 ug/mlm
21)	T Benzo[g,h,i]perylene ...	18.726	3204847	26.820 ug/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

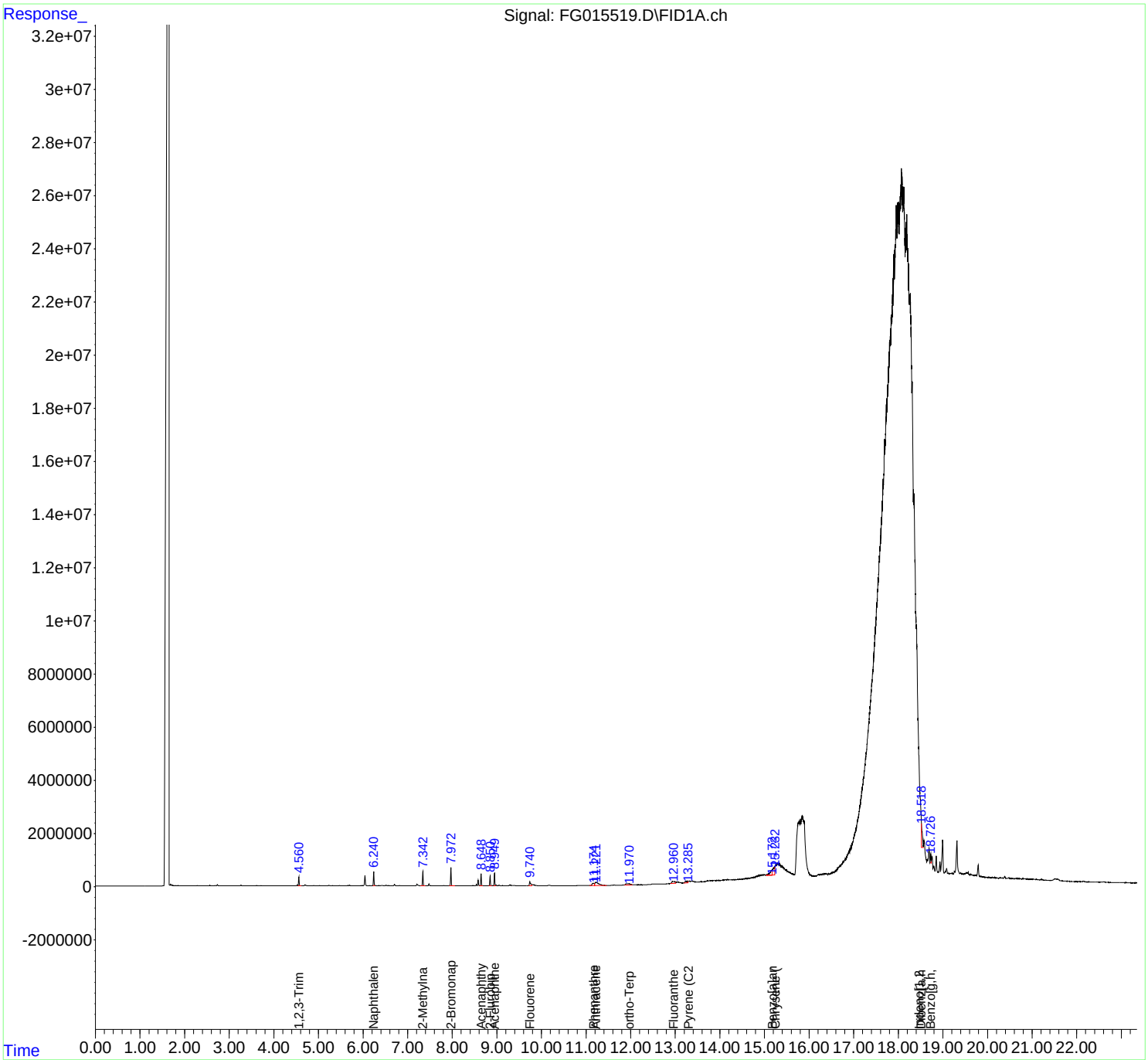
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
Data File : FG015519.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 15:27
Operator : YP\AJ
Sample : Q1574-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Mar 21 01:32:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 05:13:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm

Instrument :
FID_G
ClientSampleId :
WC1MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025



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Instrument :
FID_G
ClientSampleId :
WC1MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG03202
Data File : FG015519.D
Signal(s) : FID1A.ch
Acq On : 20 Mar 2025 15:27
Sample : Q1574-01MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.290	4.276	4.347	PV	2627	11986	0.00%	0.000%
2	4.356	4.347	4.376	PV	202	1679	0.00%	0.000%
3	4.417	4.376	4.447	PV	663	12967	0.00%	0.000%
4	4.466	4.447	4.499	VV	1289	20337	0.00%	0.000%
5	4.526	4.499	4.541	VV	42538	426289	0.01%	0.003%
6	4.561	4.541	4.622	VV	335688	3461460	0.05%	0.027%
7	4.636	4.622	4.669	VV	3269	57814	0.00%	0.000%
8	4.696	4.669	4.764	VV	37672	875096	0.01%	0.007%
9	4.778	4.764	4.796	VV	7923	123043	0.00%	0.001%
10	4.811	4.796	4.835	VV	8394	122005	0.00%	0.001%
11	4.844	4.835	4.865	VV	2912	41979	0.00%	0.000%
12	4.895	4.865	4.928	VV	12030	217854	0.00%	0.002%
13	4.946	4.928	4.968	VV	7320	122280	0.00%	0.001%
14	4.992	4.968	5.009	VV	3673	80359	0.00%	0.001%
15	5.028	5.009	5.063	VV	12194	178329	0.00%	0.001%
16	5.083	5.063	5.095	VV	2708	43298	0.00%	0.000%
17	5.109	5.095	5.125	VV	4065	54293	0.00%	0.000%
18	5.141	5.125	5.159	VV	2840	46860	0.00%	0.000%
19	5.183	5.159	5.213	VV	6960	149074	0.00%	0.001%
20	5.232	5.213	5.264	VV	20674	329059	0.01%	0.003%
21	5.283	5.264	5.302	VV	8864	159474	0.00%	0.001%
22	5.316	5.302	5.335	VV	10148	125578	0.00%	0.001%
23	5.347	5.335	5.361	VV	3678	45807	0.00%	0.000%
24	5.374	5.361	5.401	VV	3622	63555	0.00%	0.000%
25	5.416	5.401	5.454	VV	3127	64212	0.00%	0.000%
26	5.473	5.454	5.501	VV	13749	162950	0.00%	0.001%
27	5.524	5.501	5.565	VV	6915	114447	0.00%	0.001%
28	5.579	5.565	5.587	VV	1748	17168	0.00%	0.000%
29	5.612	5.587	5.641	VV	3778	72506	0.00%	0.001%
30	5.664	5.641	5.681	VV	21343	241809	0.00%	0.002%
31	5.698	5.681	5.725	VV	31559	378967	0.01%	0.003%
32	5.750	5.725	5.817	VV	7189	166438	0.00%	0.001%
33	5.828	5.817	5.845	VV	1406	13433	0.00%	0.000%
34	5.863	5.845	5.880	PV	3964	45656	0.00%	0.000%
35	5.895	5.880	5.906	VV	4072	45275	0.00%	0.000%
36	5.915	5.906	5.938	VV	3177	42221	0.00%	0.000%

Page 1

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Instrument :
FID_G
ClientSampleId :
WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

					rteres			
37	5.960	5.938	5.974	VV	12687	141797	0.00%	0.001%
38	5.986	5.974	6.001	VV	9388	105439	0	
39	6.044	6.001	6.107	VV	381769	4952853	0	
40	6.113	6.107	6.127	VV	4236	45222	0	
41	6.147	6.127	6.171	VV	11077	166907	0	
42	6.207	6.171	6.216	VV	8664	167693	0	
43	6.240	6.216	6.272	VV	534293	5327687	0.08%	0.041%
44	6.282	6.272	6.324	VV	11824	212039	0.00%	0.002%
45	6.351	6.324	6.366	VV	9430	135881	0.00%	0.001%
46	6.405	6.366	6.417	VV	11714	244419	0.00%	0.002%
47	6.429	6.417	6.435	VV	11864	119064	0.00%	0.001%
48	6.444	6.435	6.465	VV	12664	179410	0.00%	0.001%
49	6.514	6.465	6.555	VV	20282	654828	0.01%	0.005%
50	6.573	6.555	6.605	VV	11168	226916	0.00%	0.002%
51	6.620	6.605	6.634	VV	6898	87669	0.00%	0.001%
52	6.645	6.634	6.668	VV	5814	92832	0.00%	0.001%
53	6.706	6.668	6.757	VV	59192	884379	0.01%	0.007%
54	6.818	6.757	6.841	VV	11134	304329	0.00%	0.002%
55	6.857	6.841	6.890	VV	6904	128976	0.00%	0.001%
56	6.906	6.890	6.923	VV	4616	63896	0.00%	0.000%
57	6.934	6.923	6.952	VV	3035	32602	0.00%	0.000%
58	6.989	6.952	7.011	VV	6587	94991	0.00%	0.001%
59	7.054	7.011	7.084	VV	3724	69671	0.00%	0.001%
60	7.091	7.084	7.097	VV	764	4765	0.00%	0.000%
61	7.114	7.097	7.120	VV	2111	21282	0.00%	0.000%
62	7.144	7.120	7.176	VV	3851	74729	0.00%	0.001%
63	7.242	7.234	7.269	VV	23942	294479	0.00%	0.002%
64	7.280	7.269	7.293	VV	5581	70567	0.00%	0.001%
65	7.298	7.293	7.310	VV	4148	36795	0.00%	0.000%
66	7.342	7.310	7.415	VV	550580	5707711	0.09%	0.044%
67	7.434	7.415	7.454	VV	5740	95465	0.00%	0.001%
68	7.514	7.502	7.537	VV	9682	154040	0.00%	0.001%
69	7.541	7.537	7.586	VV	4742	82007	0.00%	0.001%
70	7.594	7.586	7.603	VV	1577	14918	0.00%	0.000%
71	7.623	7.603	7.641	VV	3709	54612	0.00%	0.000%
72	7.656	7.641	7.681	VV	3095	38011	0.00%	0.000%
73	7.691	7.681	7.699	VV	339	3238	0.00%	0.000%
74	7.731	7.699	7.767	VV	4200	69179	0.00%	0.001%
75	7.783	7.767	7.792	VV	942	9276	0.00%	0.000%
76	7.811	7.792	7.858	VV	16019	190521	0.00%	0.001%
77	7.888	7.858	7.912	VV	2897	42780	0.00%	0.000%
78	7.923	7.912	7.932	VV	1825	16351	0.00%	0.000%
79	7.972	7.932	8.029	VV	687064	6669913	0.10%	0.051%
80	8.038	8.029	8.059	VV	2043	24989	0.00%	0.000%
81	8.084	8.059	8.098	VV	6132	80663	0.00%	0.001%
82	8.104	8.098	8.134	VV	3252	42361	0.00%	0.000%
83	8.158	8.134	8.175	VV	1372	24751	0.00%	0.000%
84	8.187	8.175	8.206	VV	1162	13971	0.00%	0.000%
85	8.292	8.277	8.304	VV	2133	24250	0.00%	0.000%
86	8.316	8.304	8.324	VV	2109	21567	0.00%	0.000%
87	8.355	8.349	8.371	VV	6775	69513	0.00%	0.001%
88	8.380	8.371	8.401	VV	3491	39840	0.00%	0.000%
89	8.434	8.401	8.446	VV	6628	95340	0.00%	0.001%

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Instrument :
FID_G
ClientSampleId :
WC1MSD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

90	8.462	8.446	8.475	VV	13614	151512	0.00%	0.001%
91	8.488	8.475	8.509	VV	11451	127781		
92	8.582	8.560	8.608	VV	221528	2296116		
93	8.648	8.608	8.687	VV	457437	4758527		
94	8.703	8.687	8.722	VV	3924	63560		
95	8.739	8.722	8.762	VV	4945	65097		
96	8.778	8.762	8.819	VV	3854	62403	0.00%	0.000%
97	8.850	8.819	8.887	PV	372405	3829395	0.06%	0.029%
98	8.905	8.887	8.922	VV	10902	133565	0.00%	0.001%
99	8.949	8.922	8.969	VV	484863	4909544	0.08%	0.038%
100	8.978	8.969	9.004	VV	27270	346975	0.01%	0.003%
101	9.015	9.004	9.030	VV	9253	128812	0.00%	0.001%
102	9.052	9.030	9.080	VV	34674	460604	0.01%	0.004%
103	9.091	9.080	9.103	VV	4580	59436	0.00%	0.000%
104	9.122	9.103	9.162	VV	8134	165526	0.00%	0.001%
105	9.190	9.162	9.208	VV	3604	67956	0.00%	0.001%
106	9.225	9.208	9.253	VV	5672	85836	0.00%	0.001%
107	9.294	9.253	9.337	VV	40725	830367	0.01%	0.006%
108	9.346	9.337	9.380	VV	13256	307529	0.00%	0.002%
109	9.400	9.380	9.449	VV	11158	304952	0.00%	0.002%
110	9.464	9.449	9.501	VV	3711	70470	0.00%	0.001%
111	9.519	9.501	9.540	VV	2587	29762	0.00%	0.000%
112	9.552	9.540	9.590	VV	1474	22214	0.00%	0.000%
113	9.606	9.590	9.642	VV	733	12240	0.00%	0.000%
114	9.657	9.642	9.689	PV	898	11150	0.00%	0.000%
115	9.740	9.689	9.942	VV	161192	5077720	0.08%	0.039%
116	9.964	9.942	9.969	VV	3188	44081	0.00%	0.000%
117	9.989	9.969	10.003	VV	3390	66806	0.00%	0.001%
118	10.026	10.003	10.051	VV	3901	100073	0.00%	0.001%
119	10.055	10.051	10.060	VV	3179	17172	0.00%	0.000%
120	10.067	10.060	10.072	VV	3371	23739	0.00%	0.000%
121	10.094	10.072	10.102	VV	3889	66262	0.00%	0.001%
122	10.106	10.102	10.124	VV	3749	46974	0.00%	0.000%
123	10.180	10.124	10.255	VV	17720	639056	0.01%	0.005%
124	10.260	10.255	10.270	VV	415	2712	0.00%	0.000%
125	10.297	10.270	10.307	VV	521	7563	0.00%	0.000%
126	10.329	10.307	10.344	VV	484	7568	0.00%	0.000%
127	10.347	10.344	10.359	VV	343	2368	0.00%	0.000%
128	10.381	10.359	10.404	VV	614	8040	0.00%	0.000%
129	10.524	10.404	10.531	PV	276	7261	0.00%	0.000%
130	10.540	10.531	10.546	PV	255	1023	0.00%	0.000%
131	10.611	10.546	10.624	PV	1663	39225	0.00%	0.000%
132	10.627	10.624	10.650	VV	1671	21925	0.00%	0.000%
133	10.676	10.650	10.694	VV	1969	41782	0.00%	0.000%
134	10.699	10.694	10.716	VV	1370	14175	0.00%	0.000%
135	10.736	10.716	10.754	VV	1080	17819	0.00%	0.000%
136	10.761	10.754	10.767	VV	586	4028	0.00%	0.000%
137	10.837	10.767	10.844	VV	3553	96868	0.00%	0.001%
138	10.880	10.844	10.893	VV	3775	103756	0.00%	0.001%
139	10.898	10.893	10.922	VV	3166	48933	0.00%	0.000%
140	10.944	10.922	10.959	VV	3558	65713	0.00%	0.001%
141	10.984	10.959	10.990	VV	3441	57758	0.00%	0.000%

8

Instrument :
FID_G
ClientSampleId :
WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

A B C D E F G H I J

rteres

142	11.003	10.990	11.032	VV	3181	68584	0.00%	0.001%
143	11.060	11.032	11.089	VV	2117	59904	0	
144	11.159	11.089	11.163	VV	85464	1578948	0	
145	11.169	11.163	11.192	VV	86208	1421025	0	
146	11.222	11.192	11.411	VV	123970	7496312	0	
147	11.418	11.411	11.478	VV	3400	78607	0	
148	11.487	11.478	11.495	PV	450	2359	0.00%	0.000%
149	11.504	11.495	11.512	PV	333	1714	0.00%	0.000%
150	11.636	11.512	11.694	VV	16720	628565	0.01%	0.005%
151	11.699	11.694	11.704	VV	489	2033	0.00%	0.000%
152	11.781	11.704	11.785	PV	4673	85654	0.00%	0.001%
153	11.832	11.785	11.837	VV	6880	170140	0.00%	0.001%
154	11.844	11.837	11.850	VV	7185	50185	0.00%	0.000%
155	11.851	11.850	11.862	VV	6398	41903	0.00%	0.000%
156	11.903	11.862	11.914	VV	52043	1120697	0.02%	0.009%
157	11.928	11.914	11.934	VV	53389	607332	0.01%	0.005%
158	11.951	11.934	11.957	VV	54366	726113	0.01%	0.006%
159	11.964	11.957	12.085	VV	56559	1970858	0.03%	0.015%
160	12.102	12.085	12.107	VV	7651	93870	0.00%	0.001%
161	12.111	12.107	12.164	VV	6986	157824	0.00%	0.001%
162	12.169	12.164	12.182	VV	2693	23548	0.00%	0.000%
163	12.185	12.182	12.194	VV	1957	9580	0.00%	0.000%
164	12.198	12.194	12.202	VV	1523	5752	0.00%	0.000%
165	12.206	12.202	12.217	VV	851	4281	0.00%	0.000%
166	12.238	12.217	12.252	PV	1263	11268	0.00%	0.000%
167	12.342	12.252	12.359	PV	2852	145017	0.00%	0.001%
168	12.381	12.359	12.402	VV	2670	49660	0.00%	0.000%
169	12.506	12.402	12.512	VV	20036	635110	0.01%	0.005%
170	12.517	12.512	12.522	VV	20207	115905	0.00%	0.001%
171	12.526	12.522	12.531	VV	19839	104755	0.00%	0.001%
172	12.536	12.531	12.544	VV	18757	141507	0.00%	0.001%
173	12.551	12.544	12.589	VV	16831	376347	0.01%	0.003%
174	12.595	12.589	12.612	VV	11121	140508	0.00%	0.001%
175	12.627	12.612	12.687	VV	11695	320992	0.01%	0.002%
176	12.718	12.687	12.723	VV	2875	40384	0.00%	0.000%
177	12.728	12.723	12.739	VV	1813	9866	0.00%	0.000%
178	12.773	12.739	12.777	PV	1402	5624	0.00%	0.000%
179	12.814	12.777	12.833	PV	6760	133380	0.00%	0.001%
180	12.877	12.833	12.894	VV	9608	253235	0.00%	0.002%
181	12.960	12.894	13.027	VV	82134	4838234	0.08%	0.037%
182	13.037	13.027	13.044	VV	53865	511313	0.01%	0.004%
183	13.051	13.044	13.066	VV	52936	645824	0.01%	0.005%
184	13.071	13.066	13.075	VV	46158	266407	0.00%	0.002%
185	13.077	13.075	13.167	VV	46538	1456469	0.02%	0.011%
186	13.175	13.167	13.190	VV	14064	160819	0.00%	0.001%
187	13.232	13.190	13.244	VV	63505	1453751	0.02%	0.011%
188	13.258	13.244	13.274	VV	64103	1101482	0.02%	0.008%
189	13.277	13.274	13.281	VV	61788	241008	0.00%	0.002%
190	13.317	13.281	13.333	VV	66558	1955492	0.03%	0.015%
191	13.337	13.333	13.342	VV	62439	337040	0.01%	0.003%
192	13.345	13.342	13.350	VV	59044	294859	0.00%	0.002%
193	13.370	13.350	13.377	VV	62316	969524	0.02%	0.007%
194	13.384	13.377	13.421	VV	60909	1391298	0.02%	0.011%

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Instrument :
FID_G
ClientSampleId :
WC1MSD

rteres

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

195	13.425	13.421	13.448	VV	44484	584156	0.01%	0.004%
196	13.451	13.448	13.490	VV	28397	609847		
197	13.496	13.490	13.500	VV	23011	129427		
198	13.564	13.500	13.570	VV	28072	979124		
199	13.575	13.570	13.611	VV	29739	645445		
200	13.616	13.611	13.624	VV	23321	163838		
201	13.633	13.624	13.659	VV	25052	472638	0.01%	0.004%
202	13.724	13.659	13.734	VV	52403	1665950	0.03%	0.013%
203	13.743	13.734	13.750	VV	51787	493122	0.01%	0.004%
204	13.768	13.750	13.777	VV	53618	796212	0.01%	0.006%
205	13.792	13.777	13.797	VV	54471	614871	0.01%	0.005%
206	13.804	13.797	13.813	VV	55539	536542	0.01%	0.004%
207	13.819	13.813	13.826	VV	57648	410249	0.01%	0.003%
208	13.832	13.826	13.836	VV	53242	288978	0.00%	0.002%
209	13.842	13.836	13.859	VV	53896	713531	0.01%	0.005%
210	13.874	13.859	13.919	VV	52665	1761024	0.03%	0.013%
211	13.932	13.919	13.949	VV	50225	842150	0.01%	0.006%
212	13.959	13.949	13.970	VV	47578	594088	0.01%	0.005%
213	13.986	13.970	13.994	VV	49242	661031	0.01%	0.005%
214	14.002	13.994	14.007	VV	49490	381793	0.01%	0.003%
215	14.013	14.007	14.047	VV	51618	1121331	0.02%	0.009%
216	14.172	14.047	14.182	VV	67744	4636652	0.07%	0.036%
217	14.197	14.182	14.205	VV	57304	807432	0.01%	0.006%
218	14.214	14.205	14.244	VV	55411	1221971	0.02%	0.009%
219	14.249	14.244	14.260	VV	55063	513671	0.01%	0.004%
220	14.266	14.260	14.280	VV	53204	601228	0.01%	0.005%
221	14.298	14.280	14.325	VV	53711	1347098	0.02%	0.010%
222	14.332	14.325	14.352	VV	54125	790256	0.01%	0.006%
223	14.395	14.352	14.410	VV	54811	1769129	0.03%	0.014%
224	14.423	14.410	14.433	VV	58364	733590	0.01%	0.006%
225	14.495	14.433	14.509	VV	59917	2535491	0.04%	0.019%
226	14.577	14.509	14.589	VV	70054	3127200	0.05%	0.024%
227	14.875	14.589	14.883	VV	170598	18498716	0.29%	0.142%
228	14.961	14.883	14.984	VV	186871	10666940	0.17%	0.082%
229	14.994	14.984	15.037	VV	190553	5665115	0.09%	0.043%
230	15.306	15.037	15.480	VV	595164	106497902	1.67%	0.816%
231	15.488	15.480	15.670	VV	328439	25730010	0.40%	0.197%
232	15.790	15.670	15.800	VV	2161514	113016653	1.77%	0.865%
233	15.807	15.800	15.816	VV	2222653	20367526	0.32%	0.156%
234	15.840	15.816	16.109	VV	2339611	152301497	2.38%	1.166%
235	16.117	16.109	16.150	VV	61828	1461232	0.02%	0.011%
236	16.202	16.150	16.217	VV	106658	3183655	0.05%	0.024%
237	16.242	16.217	16.254	VV	112159	2274414	0.04%	0.017%
238	16.312	16.254	16.326	VV	122741	4983785	0.08%	0.038%
239	16.341	16.326	16.359	VV	133498	2424515	0.04%	0.019%
240	16.367	16.359	16.395	VV	124259	2568435	0.04%	0.020%
241	17.953	16.395	17.969	VV	24811876	6387937489	100.00%	48.919%
242	17.993	17.969	18.020	VV	25156188	752595732	11.78%	5.763%
243	18.070	18.020	18.115	VV	26389775	1462964504	22.90%	11.203%
244	18.122	18.115	18.150	VV	25365417	506982588	7.94%	3.882%
245	18.171	18.150	18.180	VV	24250197	441499042	6.91%	3.381%
246	18.189	18.180	18.560	VV	24610414	2802977700	43.88%	21.465%

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Instrument :
FID_G
ClientSampleId :
WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

A B C D E F G H I J

rteres

247	18.580	18.560	18.657	VV	1190013	42873407	0.67%	0.328%
248	18.689	18.657	18.709	VV	918016	20037690	0	
249	18.725	18.709	18.738	VV	700916	9633447	0	
250	18.752	18.738	18.778	VV	572995	10439381	0	
251	18.796	18.778	18.821	VV	240309	4089124	0	
252	18.850	18.821	18.902	VV	616690	8544596	0	
253	18.933	18.902	18.949	PV	359812	4016314	0.06%	0.031%
254	18.993	18.949	19.000	PBA	397651	4398185	0.07%	0.034%

Sum of corrected areas: 13058286193

Aromatic EPH 031725.M Fri Mar 21 06:59:19 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015702.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:27
Operator : YP\AJ
Sample : Q1574-01MSD
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
WC1MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 02:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
12) S	1-chlorooctadecane (S...	13.382	5096779	44.908 ug/mlm
Spiked Amount	50.000		Recovery =	89.82%
	Target Compounds			
1) T	n-Nonane (C9)	3.310	2327332	18.374 ug/ml
2) T	n-Decane (C10)	4.567	3083883	24.015 ug/ml
4) T	n-Dodecane (C12)	6.735	4220901	32.389 ug/ml
6) T	n-Tetradecane (C14)	8.563	4694556	36.250 ug/ml
7) T	n-Hexadecane (C16)	10.171	4850153	36.270 ug/ml
8) T	n-Octadecane (C18)	11.615	5174320	37.576 ug/ml
10) T	n-Eicosane (C20)	12.933	5422010	40.231 ug/ml
11) T	n-Heneicosane (C21)	13.551	4555680	34.088 ug/mlm
13) T	n-Docosane (C22)	14.144	5094130	38.068 ug/mlm
14) T	n-Tetracosane (C24)	15.257	7495982	55.993 ug/mlm
15) T	n-Hexacosane (C26)	16.288	4717343	36.068 ug/mlm
16) T	n-Octacosane (C28)	17.249	5273780	40.371 ug/mlm
17) T	n-Tricontane (C30)	18.134	4598957	34.104 ug/mlm
18) T	n-Dotriacontane (C32)	18.957	5073117	38.903 ug/mlm
19) T	n-Tetratriacontane (C34)	19.740	5991219	51.325 ug/ml
20) T	n-Hexatriacontane (C36)	20.473	3788925	38.168 ug/mlm
21) T	n-Octatriacontane (C38)	21.211	4841368	55.411 ug/ml
22) T	n-Tetracontane (C40)	22.129	4686347	58.394 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

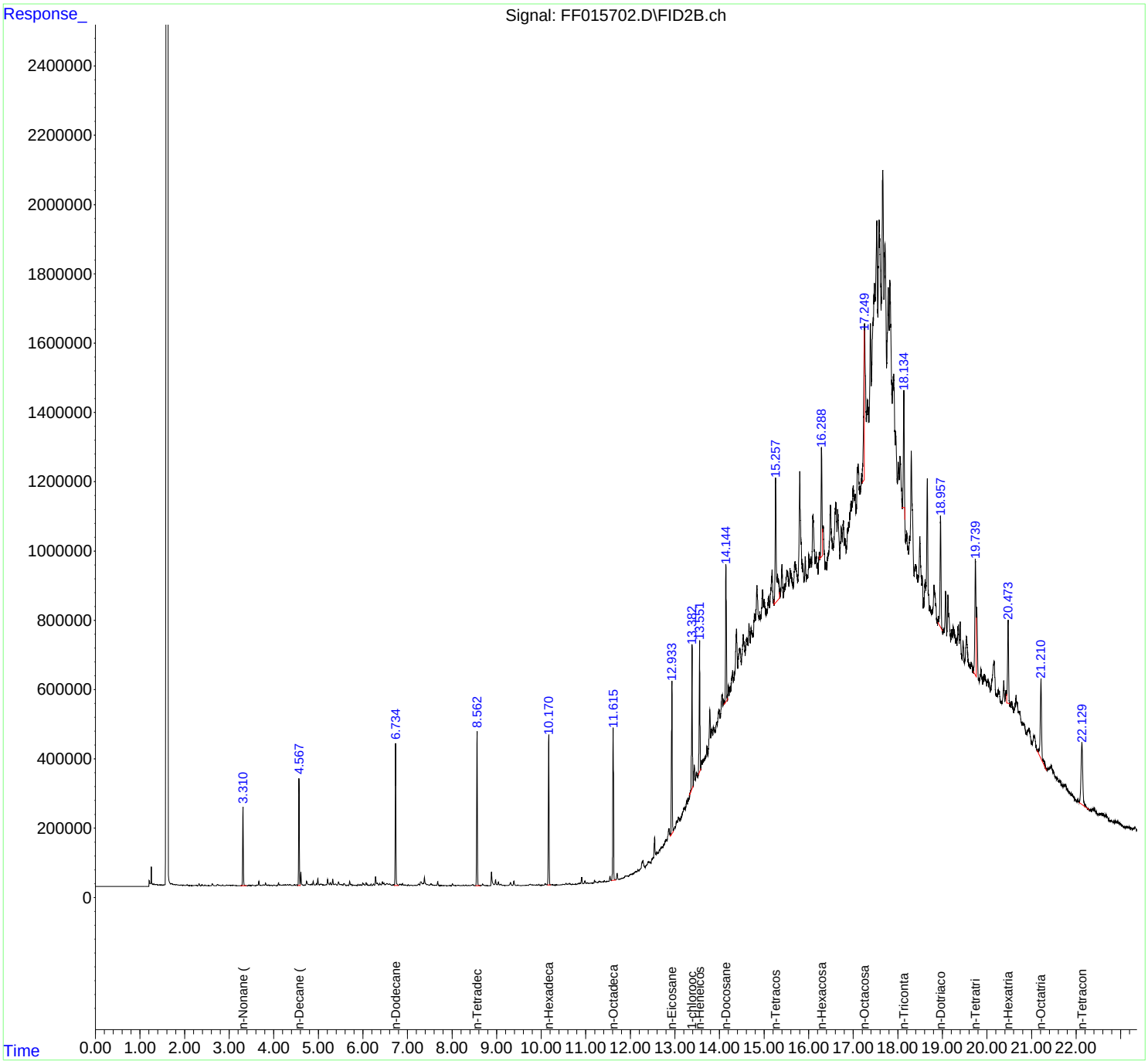
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF032025AL\
Data File : FF015702.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:27
Operator : YP\AJ
Sample : Q1574-01MSD
Misc :
ALS Vial : 77 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
WC1MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
Quant Time: Mar 21 02:47:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Quant Title : GC Extractables
QLast Update : Tue Mar 18 02:31:19 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



Instrument :
FID_F
ClientSampleId :
WC1MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF03202
Data File : FF015702.D
Signal(s) : FID2B.ch
Acq On : 20 Mar 2025 15:27
Sample : Q1574-01MSD
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 031725.M
Title : GC Extractables

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.850	2.801	2.908	BV	1658	19491	0.02%	0.001%
2	2.946	2.908	2.963	PV	2144	37355	0.03%	0.001%
3	2.978	2.963	2.991	VV	1312	19621	0.02%	0.001%
4	3.009	2.991	3.034	VV	1555	28791	0.03%	0.001%
5	3.056	3.034	3.068	VV	1313	20460	0.02%	0.001%
6	3.090	3.068	3.106	VV	1652	28318	0.03%	0.001%
7	3.118	3.106	3.148	VV	1013	18214	0.02%	0.000%
8	3.165	3.148	3.211	VV	624	11773	0.01%	0.000%
9	3.235	3.211	3.255	PV	370	4320	0.00%	0.000%
10	3.310	3.255	3.395	VV	227008	2347578	2.11%	0.062%
11	3.455	3.395	3.472	VV	1204	34261	0.03%	0.001%
12	3.484	3.472	3.500	VV	820	10361	0.01%	0.000%
13	3.521	3.500	3.545	VV	2553	38018	0.03%	0.001%
14	3.553	3.545	3.581	VV	1078	17350	0.02%	0.000%
15	3.594	3.581	3.606	VV	611	7833	0.01%	0.000%
16	3.629	3.606	3.645	VV	2059	31800	0.03%	0.001%
17	3.667	3.645	3.722	VV	13068	173175	0.16%	0.005%
18	3.731	3.722	3.740	VV	885	8854	0.01%	0.000%
19	3.762	3.740	3.786	VV	3184	53026	0.05%	0.001%
20	3.818	3.786	3.854	VV	7909	124756	0.11%	0.003%
21	3.871	3.854	3.898	VV	2348	43918	0.04%	0.001%
22	3.904	3.898	3.928	VV	1359	20478	0.02%	0.001%
23	3.947	3.928	3.975	VV	1956	32602	0.03%	0.001%
24	4.006	3.975	4.058	VV	2145	57632	0.05%	0.002%
25	4.108	4.058	4.127	VV	8659	115832	0.10%	0.003%
26	4.142	4.127	4.177	VV	3030	62590	0.06%	0.002%
27	4.217	4.177	4.238	VV	2733	73941	0.07%	0.002%
28	4.259	4.238	4.283	VV	3567	61506	0.06%	0.002%
29	4.309	4.283	4.331	VV	4029	77941	0.07%	0.002%
30	4.366	4.331	4.418	VV	3839	114920	0.10%	0.003%
31	4.462	4.418	4.487	VV	4044	77934	0.07%	0.002%
32	4.509	4.487	4.536	VV	3283	62069	0.06%	0.002%
33	4.567	4.536	4.592	VV	309438	3128071	2.81%	0.082%
34	4.609	4.592	4.668	VV	39546	472219	0.42%	0.012%
35	4.688	4.668	4.711	VV	2279	48090	0.04%	0.001%
36	4.739	4.711	4.805	VV	12940	310757	0.28%	0.008%

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Instrument :
FID_F
ClientSampleId :
WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

A B C D E F G H I J

rteres

37	4.817	4.805	4.834	VV	3703	54356	0.05%	0.001%
38	4.851	4.834	4.866	VV	5469	72018	0	
39	4.886	4.866	4.919	VV	13697	194550	0	
40	4.927	4.919	4.937	VV	2496	25733	0	
41	4.957	4.937	4.970	VV	6418	84224	0	
42	4.990	4.970	5.020	VV	20859	273522	0	
43	5.049	5.020	5.062	VV	5438	101156	0.09%	0.003%
44	5.074	5.062	5.103	VV	5326	90437	0.08%	0.002%
45	5.121	5.103	5.137	VV	2698	46834	0.04%	0.001%
46	5.154	5.137	5.164	VV	2542	36453	0.03%	0.001%
47	5.210	5.164	5.251	VV	18986	357523	0.32%	0.009%
48	5.271	5.251	5.298	VV	9822	158219	0.14%	0.004%
49	5.325	5.298	5.352	VV	19296	277505	0.25%	0.007%
50	5.369	5.352	5.378	VV	4781	65387	0.06%	0.002%
51	5.391	5.378	5.421	VV	5121	98734	0.09%	0.003%
52	5.454	5.421	5.484	VV	10937	213366	0.19%	0.006%
53	5.496	5.484	5.510	VV	3938	57124	0.05%	0.002%
54	5.521	5.510	5.550	VV	3913	69205	0.06%	0.002%
55	5.575	5.550	5.623	VV	6398	162604	0.15%	0.004%
56	5.644	5.623	5.662	VV	2725	36974	0.03%	0.001%
57	5.705	5.662	5.728	VV	12855	184665	0.17%	0.005%
58	5.743	5.728	5.766	VV	4700	67562	0.06%	0.002%
59	5.783	5.766	5.815	VV	2153	44899	0.04%	0.001%
60	5.827	5.815	5.843	VV	1824	24898	0.02%	0.001%
61	5.854	5.843	5.867	VV	1456	16901	0.02%	0.000%
62	5.891	5.867	5.918	VV	3583	68257	0.06%	0.002%
63	5.934	5.918	5.978	VV	2774	75335	0.07%	0.002%
64	5.999	5.978	6.047	VV	8066	176040	0.16%	0.005%
65	6.074	6.047	6.122	VV	8852	177048	0.16%	0.005%
66	6.137	6.122	6.162	VV	2535	43275	0.04%	0.001%
67	6.182	6.162	6.206	VV	5032	67851	0.06%	0.002%
68	6.238	6.206	6.261	VV	5109	87575	0.08%	0.002%
69	6.285	6.261	6.358	VV	26423	501928	0.45%	0.013%
70	6.380	6.358	6.414	VV	7175	136500	0.12%	0.004%
71	6.439	6.414	6.457	VV	12054	188832	0.17%	0.005%
72	6.471	6.457	6.496	VV	7841	132795	0.12%	0.004%
73	6.535	6.496	6.582	VV	6620	249974	0.22%	0.007%
74	6.602	6.582	6.642	VV	6100	148375	0.13%	0.004%
75	6.682	6.642	6.703	VV	2886	85683	0.08%	0.002%
76	6.735	6.703	6.800	VV	410046	4295921	3.86%	0.113%
77	6.822	6.800	6.836	VV	4347	64873	0.06%	0.002%
78	6.851	6.836	6.869	VV	4735	72151	0.06%	0.002%
79	6.887	6.869	6.911	VV	6738	98334	0.09%	0.003%
80	6.923	6.911	6.948	VV	2738	51614	0.05%	0.001%
81	6.960	6.948	6.988	VV	2831	43172	0.04%	0.001%
82	7.022	6.988	7.045	VV	3300	57708	0.05%	0.002%
83	7.065	7.045	7.081	VV	1782	29689	0.03%	0.001%
84	7.092	7.081	7.114	VV	1930	27472	0.02%	0.001%
85	7.163	7.114	7.176	VV	1721	40254	0.04%	0.001%
86	7.189	7.176	7.211	VV	1428	24288	0.02%	0.001%
87	7.247	7.211	7.277	VV	5096	123706	0.11%	0.003%
88	7.301	7.277	7.336	VV	12139	304479	0.27%	0.008%
89	7.352	7.336	7.365	VV	7550	113475	0.10%	0.003%

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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 03/24/2025

rteres

90	7.382	7.365	7.430	VV	24645	408412	0.37%	0.011%
91	7.451	7.430	7.495	VV	4246	115486		
92	7.534	7.495	7.607	VV	5103	188882		
93	7.623	7.607	7.654	VV	1684	42773		
94	7.680	7.654	7.728	VV	12143	161036		
95	7.740	7.728	7.758	VV	898	14373		
96	7.772	7.758	7.797	VV	1300	22558	0.02%	0.001%
97	7.812	7.797	7.828	VV	794	12347	0.01%	0.000%
98	7.855	7.828	7.879	VV	1426	24387	0.02%	0.001%
99	7.896	7.879	7.908	VV	515	6149	0.01%	0.000%
100	7.917	7.908	7.927	VV	646	6240	0.01%	0.000%
101	7.943	7.927	7.981	VV	1529	17335	0.02%	0.000%
102	8.011	7.981	8.039	PV	5937	85218	0.08%	0.002%
103	8.051	8.039	8.094	VV	1366	29848	0.03%	0.001%
104	8.137	8.094	8.194	VV	1869	65828	0.06%	0.002%
105	8.209	8.194	8.231	VV	1210	16169	0.01%	0.000%
106	8.253	8.231	8.275	VV	2563	31373	0.03%	0.001%
107	8.309	8.275	8.331	VV	2249	35198	0.03%	0.001%
108	8.347	8.331	8.365	VV	896	11654	0.01%	0.000%
109	8.380	8.365	8.396	VV	1573	18483	0.02%	0.000%
110	8.403	8.396	8.412	VV	645	6106	0.01%	0.000%
111	8.466	8.412	8.492	VV	4215	95786	0.09%	0.003%
112	8.501	8.492	8.524	VV	886	12440	0.01%	0.000%
113	8.563	8.524	8.641	VV	443510	4729481	4.25%	0.125%
114	8.688	8.641	8.741	VV	4910	112772	0.10%	0.003%
115	8.753	8.741	8.778	VV	822	13460	0.01%	0.000%
116	8.796	8.778	8.838	VV	952	13868	0.01%	0.000%
117	8.853	8.838	8.865	PV	157	959	0.00%	0.000%
118	8.886	8.865	8.943	VV	39268	620031	0.56%	0.016%
119	8.978	8.943	9.021	VV	17234	306679	0.28%	0.008%
120	9.041	9.021	9.068	VV	10781	161358	0.15%	0.004%
121	9.100	9.068	9.140	VV	4382	105407	0.09%	0.003%
122	9.158	9.140	9.184	VV	1261	24360	0.02%	0.001%
123	9.217	9.184	9.238	VV	878	20874	0.02%	0.001%
124	9.253	9.238	9.264	VV	730	10075	0.01%	0.000%
125	9.314	9.264	9.361	VV	9448	192092	0.17%	0.005%
126	9.389	9.361	9.447	VV	13446	203865	0.18%	0.005%
127	9.476	9.447	9.511	VV	1905	33863	0.03%	0.001%
128	9.525	9.511	9.555	VV	572	6985	0.01%	0.000%
129	9.649	9.555	9.659	PV	775	26218	0.02%	0.001%
130	9.689	9.659	9.715	VV	1088	24657	0.02%	0.001%
131	9.757	9.715	9.791	VV	3537	106016	0.10%	0.003%
132	9.806	9.791	9.823	VV	2022	30922	0.03%	0.001%
133	9.849	9.823	9.875	VV	1711	39449	0.04%	0.001%
134	9.896	9.875	9.928	VV	1893	33133	0.03%	0.001%
135	9.948	9.928	9.976	VV	3441	40469	0.04%	0.001%
136	10.010	9.976	10.056	PV	952	27243	0.02%	0.001%
137	10.089	10.056	10.103	VV	4919	61608	0.06%	0.002%
138	10.111	10.103	10.136	VV	3243	42473	0.04%	0.001%
139	10.171	10.136	10.218	VV	435934	4882036	4.39%	0.129%
140	10.238	10.218	10.311	VV	1400	41570	0.04%	0.001%
141	10.342	10.311	10.364	VV	979	14114	0.01%	0.000%

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A B C D E F G H I J

rteres

142	10.375	10.364	10.392	VV	453	6144	0.01%	0.000%
143	10.405	10.392	10.427	VV	448	6020		
144	10.447	10.427	10.465	PV	940	10900		
145	10.488	10.465	10.531	VV	2264	47358		
146	10.559	10.531	10.582	VV	4577	72764		
147	10.604	10.582	10.619	VV	2401	40422		
148	10.638	10.619	10.680	VV	4141	73222	0.07%	0.002%
149	10.703	10.680	10.736	VV	1633	21288	0.02%	0.001%
150	10.764	10.736	10.783	PV	1255	16212	0.01%	0.000%
151	10.835	10.783	10.851	VV	2982	48128	0.04%	0.001%
152	10.872	10.851	10.885	VV	3247	50960	0.05%	0.001%
153	10.909	10.885	10.942	VV	19906	251406	0.23%	0.007%
154	10.981	10.942	11.008	VV	8529	139461	0.13%	0.004%
155	11.037	11.008	11.064	VV	2540	51518	0.05%	0.001%
156	11.087	11.064	11.098	VV	992	13116	0.01%	0.000%
157	11.136	11.098	11.173	VV	1131	31161	0.03%	0.001%
158	11.198	11.173	11.265	PV	8137	160687	0.14%	0.004%
159	11.308	11.265	11.347	VV	4816	118298	0.11%	0.003%
160	11.364	11.347	11.379	VV	2232	29451	0.03%	0.001%
161	11.417	11.379	11.450	VV	4641	74247	0.07%	0.002%
162	11.480	11.450	11.493	VV	1972	34937	0.03%	0.001%
163	11.506	11.493	11.517	VV	1567	19555	0.02%	0.001%
164	11.545	11.517	11.569	VV	15597	215248	0.19%	0.006%
165	11.615	11.569	11.675	VV	441433	5358909	4.82%	0.141%
166	11.704	11.675	11.738	VV	21522	389798	0.35%	0.010%
167	11.812	11.738	11.831	VV	6919	288611	0.26%	0.008%
168	11.889	11.831	11.905	VV	12434	396759	0.36%	0.010%
169	11.937	11.905	11.955	VV	11585	335315	0.30%	0.009%
170	12.012	11.955	12.027	VV	15647	577797	0.52%	0.015%
171	12.169	12.027	12.188	VV	25844	1903272	1.71%	0.050%
172	12.282	12.188	12.334	VV	51302	3070005	2.76%	0.081%
173	12.420	12.334	12.465	VV	46283	3223939	2.90%	0.085%
174	12.508	12.465	12.517	VV	56856	1647448	1.48%	0.043%
175	12.544	12.517	12.572	VV	115194	2656047	2.39%	0.070%
176	12.595	12.572	12.613	VV	71107	1661756	1.50%	0.044%
177	12.714	12.613	12.731	VV	84873	5544084	4.99%	0.146%
178	12.794	12.731	12.819	VV	105350	5077957	4.57%	0.134%
179	12.867	12.819	12.900	VV	135404	5831260	5.25%	0.154%
180	12.933	12.900	12.962	VV	557661	9906928	8.91%	0.261%
181	13.039	12.962	13.055	VV	155130	7935541	7.14%	0.209%
182	13.079	13.055	13.118	VV	167027	5991547	5.39%	0.158%
183	13.201	13.118	13.211	VV	192026	9786044	8.80%	0.258%
184	13.264	13.211	13.275	VV	211226	7471951	6.72%	0.197%
185	13.383	13.275	13.409	VV	661986	23586836	21.22%	0.622%
186	13.433	13.409	13.458	VV	312040	8396107	7.55%	0.221%
187	13.485	13.458	13.503	VV	287807	7618586	6.85%	0.201%
188	13.515	13.503	13.521	VV	285529	3014929	2.71%	0.079%
189	13.552	13.521	13.579	VV	669075	14598095	13.13%	0.385%
190	13.597	13.579	13.615	VV	323053	6736098	6.06%	0.178%
191	13.717	13.615	13.738	VV	362574	24689714	22.21%	0.651%
192	13.781	13.738	13.804	VV	465658	15830214	14.24%	0.417%
193	13.826	13.804	13.846	VV	411009	10166423	9.15%	0.268%
194	13.867	13.846	13.895	VV	415428	11869208	10.68%	0.313%

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rteres

195	13.935	13.895	13.948	VV	428436	13305088	11.97%	0.351%
196	13.989	13.948	14.021	VV	464301	19655195	17	
197	14.059	14.021	14.078	VV	507400	16389760	14	
198	14.090	14.078	14.101	VV	490654	6878638	6	
199	14.144	14.101	14.175	VV	879394	26424564	23	
200	14.197	14.175	14.214	VV	529750	12180256	10	
201	14.231	14.214	14.255	VV	522606	12540280	11.28%	0.331%
202	14.293	14.255	14.312	VV	574420	19183828	17.26%	0.506%
203	14.322	14.312	14.327	VV	551341	4710482	4.24%	0.124%
204	14.380	14.327	14.411	VV	689225	31053281	27.94%	0.819%
205	14.453	14.411	14.489	VV	633432	28819537	25.93%	0.760%
206	14.532	14.489	14.575	VV	670652	32706587	29.43%	0.862%
207	14.610	14.575	14.641	VV	661558	25898855	23.30%	0.683%
208	14.661	14.641	14.687	VV	704304	18493930	16.64%	0.488%
209	14.708	14.687	14.754	VV	693184	27370372	24.62%	0.722%
210	14.840	14.754	14.888	VV	811625	58928212	53.02%	1.554%
211	14.904	14.888	14.919	VV	730727	13331251	11.99%	0.351%
212	14.965	14.919	14.984	VV	795573	29427106	26.47%	0.776%
213	15.000	14.984	15.049	VV	769669	29246137	26.31%	0.771%
214	15.105	15.049	15.125	VV	776285	34201629	30.77%	0.902%
215	15.178	15.125	15.221	VV	843752	45885998	41.28%	1.210%
216	15.258	15.221	15.357	VV	1115183	69766730	62.77%	1.839%
217	15.399	15.357	15.431	VV	865449	35941375	32.34%	0.948%
218	15.456	15.431	15.473	VV	806490	20009243	18.00%	0.528%
219	15.509	15.473	15.561	VV	845052	43494257	39.13%	1.147%
220	15.583	15.561	15.652	VV	850564	44862084	40.36%	1.183%
221	15.693	15.652	15.755	VV	869989	51867421	46.66%	1.367%
222	15.799	15.755	15.897	VV	1125785	77112656	69.38%	2.033%
223	15.922	15.897	15.945	VV	876705	24606519	22.14%	0.649%
224	16.003	15.945	16.031	VV	885181	43194381	38.86%	1.139%
225	16.050	16.031	16.064	VV	879896	17344357	15.60%	0.457%
226	16.096	16.064	16.145	VV	996459	44610456	40.13%	1.176%
227	16.169	16.145	16.185	VV	891456	20910607	18.81%	0.551%
228	16.196	16.185	16.211	VV	855040	13587736	12.22%	0.358%
229	16.238	16.211	16.251	VV	886482	20985183	18.88%	0.553%
230	16.288	16.251	16.315	VV	1189608	37962300	34.15%	1.001%
231	16.326	16.315	16.396	VV	963024	43465049	39.10%	1.146%
232	16.488	16.396	16.529	VV	1022500	73192593	65.85%	1.930%
233	16.537	16.529	16.552	VV	916552	12415316	11.17%	0.327%
234	16.610	16.552	16.635	VV	1026242	48391672	43.54%	1.276%
235	16.652	16.635	16.699	VV	1000530	36381225	32.73%	0.959%
236	16.730	16.699	16.752	VV	954931	29153711	26.23%	0.769%
237	16.775	16.752	16.842	VV	972294	50104138	45.08%	1.321%
238	17.000	16.842	17.029	VV	1073644	111151659	100.00%	2.930%
239	17.040	17.029	17.063	VV	1042295	21038015	18.93%	0.555%
240	17.111	17.063	17.141	VV	1135062	50372919	45.32%	1.328%
241	17.186	17.141	17.198	VV	1105742	36789220	33.10%	0.970%
242	17.253	17.198	17.298	VV	1531532	78769298	70.87%	2.077%
243	17.322	17.298	17.351	VV	1313769	41132147	37.01%	1.084%
244	17.384	17.351	17.406	VV	1534597	45806244	41.21%	1.208%
245	17.475	17.406	17.495	VV	1635863	82150921	73.91%	2.166%
246	17.526	17.495	17.550	VV	1828353	56140551	50.51%	1.480%

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rteres

247	17.580	17.550	17.625	VV	1821553	76776497	69.07%	2.024%
248	17.662	17.625	17.689	VV	1962468	67734668	60	
249	17.714	17.689	17.748	VV	1753900	58211659	52	
250	17.784	17.748	17.804	VV	1630710	51089616	45	
251	17.821	17.804	17.875	VV	1653611	63667865	57	
252	17.907	17.875	17.941	VV	1384825	52391046	47	
253	17.950	17.941	17.995	VV	1208050	36782467	33.09%	0.970%
254	18.012	17.995	18.035	VV	1125514	26397808	23.75%	0.696%
255	18.050	18.035	18.101	VV	1139713	42793427	38.50%	1.128%
256	18.134	18.101	18.175	VV	1324659	48074561	43.25%	1.267%
257	18.195	18.175	18.245	VV	922976	37239206	33.50%	0.982%
258	18.300	18.245	18.364	VV	1145071	67939346	61.12%	1.791%
259	18.398	18.364	18.460	VV	826091	46574257	41.90%	1.228%
260	18.495	18.460	18.541	VV	902630	40033740	36.02%	1.055%
261	18.548	18.541	18.582	VV	789125	18223873	16.40%	0.480%
262	18.612	18.582	18.630	VV	779475	21521308	19.36%	0.567%
263	18.660	18.630	18.758	VV	1072382	59716108	53.72%	1.574%
264	18.811	18.758	18.897	VV	762635	58577127	52.70%	1.544%
265	18.958	18.897	19.005	VV	957053	46709109	42.02%	1.231%
266	19.072	19.005	19.098	VV	740200	36526684	32.86%	0.963%
267	19.124	19.098	19.185	VV	729524	34588897	31.12%	0.912%
268	19.210	19.185	19.231	VV	623113	16849141	15.16%	0.444%
269	19.245	19.231	19.298	VV	633539	24678817	22.20%	0.651%
270	19.307	19.298	19.326	VV	598905	10220162	9.19%	0.269%
271	19.357	19.326	19.377	VV	639369	18773267	16.89%	0.495%
272	19.398	19.377	19.441	VV	644959	22649021	20.38%	0.597%
273	19.465	19.441	19.495	VV	590839	17915602	16.12%	0.472%
274	19.543	19.495	19.605	VV	603489	36764680	33.08%	0.969%
275	19.657	19.605	19.685	VV	526802	24879916	22.38%	0.656%
276	19.691	19.685	19.700	VV	508331	4605047	4.14%	0.121%
277	19.740	19.700	19.761	VV	820171	24187111	21.76%	0.638%
278	19.770	19.761	19.828	VV	678036	22252682	20.02%	0.587%
279	19.863	19.828	19.898	VV	507179	20273094	18.24%	0.534%
280	19.921	19.898	19.930	VV	484767	9222460	8.30%	0.243%
281	19.950	19.930	19.992	VV	485345	17550757	15.79%	0.463%
282	20.016	19.992	20.071	VV	474701	22102393	19.88%	0.583%
283	20.162	20.071	20.238	VV	526928	46558754	41.89%	1.227%
284	20.251	20.238	20.262	VV	440268	6214709	5.59%	0.164%
285	20.269	20.262	20.341	VV	438858	19863663	17.87%	0.524%
286	20.375	20.341	20.401	VV	465694	15547322	13.99%	0.410%
287	20.424	20.401	20.439	VV	436751	9700548	8.73%	0.256%
288	20.474	20.439	20.533	VV	639910	26267989	23.63%	0.693%
289	20.556	20.533	20.605	VV	404929	16713835	15.04%	0.441%
290	20.654	20.605	20.794	VV	418221	42793764	38.50%	1.128%
291	20.802	20.794	20.813	VV	336368	3831862	3.45%	0.101%
292	20.830	20.813	20.891	VV	337714	15159325	13.64%	0.400%
293	20.941	20.891	21.008	VV	322524	21384524	19.24%	0.564%
294	21.048	21.008	21.161	VV	299629	25306836	22.77%	0.667%
295	21.211	21.161	21.341	VV	462690	28629362	25.76%	0.755%
296	21.365	21.341	21.398	VV	201098	6778271	6.10%	0.179%
297	21.440	21.398	21.558	VV	209734	18324372	16.49%	0.483%
298	21.568	21.558	21.611	VV	173427	5351781	4.81%	0.141%
299	21.623	21.611	21.691	VV	161557	7472063	6.72%	0.197%

8

Instrument :
FID_F
ClientSampleId :
WC1MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 03/21/2025
Supervised By :mohammad ahmed 03/24/2025

A B C D E F G H I J

rteres

300	21.733	21.691	22.005	VV	150489	23836219	21.44%	0.628%
301	22.035	22.005	22.075	VV	103231	4161779	3	
302	22.129	22.075	22.311	VV	265186	16266000	14	
303	22.366	22.311	22.385	VV	70604	3030087	2	
304	22.400	22.385	22.481	VV	70178	3727609	3	
305	22.490	22.481	22.523	VV	55919	1372300	1	
306	22.553	22.523	22.646	VV	56869	3885861	3.50%	0.102%
307	22.673	22.646	22.765	VV	50363	2962565	2.67%	0.078%
308	22.779	22.765	22.848	VV	32583	1523224	1.37%	0.040%
309	22.862	22.848	22.871	VV	28950	395895	0.36%	0.010%
310	22.880	22.871	22.906	VV	30403	600390	0.54%	0.016%
311	22.913	22.906	23.009	VV	27475	1446074	1.30%	0.038%
312	23.017	23.009	23.088	VV	17240	618729	0.56%	0.016%
313	23.099	23.088	23.131	VV	10138	226027	0.20%	0.006%
314	23.181	23.131	23.261	VV	10053	537492	0.48%	0.014%
315	23.282	23.261	23.290	VV	3924	53642	0.05%	0.001%
316	23.321	23.290	23.349	VBA	6130	222368	0.20%	0.006%

Sum of corrected areas: 3793144739

Aliphatic EPH 031725.M Fri Mar 21 00:53:14 2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	FF031725AL	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	FF032025AL	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1574-01	FF015699.D	1-chlorooctadecane (SURR)	yogesh	3/21/2025 8:27:34 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01D	FF015700.D	1-chlorooctadecane (SURR)	yogesh	3/21/2025 8:27:35 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	1-chlorooctadecane (SURR)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Docosane (C22)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Dotriacontane (C32)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Heneicosane (C21)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Hexacosane (C26)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Hexatriacontane (C36)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Octacosane (C28)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Octatriacontane (C38)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Tetracosane (C24)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Tetratriacontane (C34)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MS	FF015701.D	n-Tricontane (C30)	yogesh	3/21/2025 8:27:37 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software

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Manual Integration Report

Sequence:	FF032025AL	Instrument	FID_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1574-01MSD	FF015702.D	1-chlorooctadecane (SURR)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Docosane (C22)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Dotriacontane (C32)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Heneicosane (C21)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Hexacosane (C26)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Hexatriacontane (C36)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Octacosane (C28)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Tetracosane (C24)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01MSD	FF015702.D	n-Tricontane (C30)	yogesh	3/21/2025 8:27:39 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01DL	FF015703.D	1-chlorooctadecane (SURR)	yogesh	3/21/2025 8:27:40 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1574-01DL2	FF015704.D	1-chlorooctadecane (SURR)	yogesh	3/21/2025 8:27:42 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software
Q1606-11	FF015711.D	1-chlorooctadecane (SURR)	yogesh	3/21/2025 8:27:44 AM	mohammad	3/24/2025 3:03:41	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG031725AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
100 PPM AROMATIC HC	FG015502.D	Bnezo[k]fluoranthene (C30.14)	yogesh	3/18/2025 7:40:44 AM	mohammad	3/19/2025 6:51:38	Peak Integrated by Software
100 PPM AROMATIC HC	FG015502.D	Dibenz[a,h]anthracene (C30.36)	yogesh	3/18/2025 7:40:44 AM	mohammad	3/19/2025 6:51:38	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG032025AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167231BL	FG015513.D	2-Flurobiphenyl (SURR)	yogesh	3/21/2025 8:28:25 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
PB167231BS	FG015514.D	Fluoranthene (C21.85)	yogesh	3/21/2025 8:28:27 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
PB167231BSD	FG015515.D	Fluoranthene (C21.85)	yogesh	3/21/2025 8:28:28 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Benzo[a]anthracene (C26.37)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Benzo[g,h,i]perylene (C34.01)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Chrysene (C27.41)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Dibenz[a,h]anthracene (C30.36)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Flouorene (C16.55)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Fluoranthene (C21.85)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	ortho-Terphenyl (SURR)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MS	FG015518.D	Pyrene (C20.8)	yogesh	3/21/2025 9:07:38 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Acenaphthene (C15.5)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG032025AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1574-01MSD	FG015519.D	Benzo[a]anthracene (C26.37)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Benzo[g,h,i]perylene (C34.01)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Chrysene (C27.41)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Dibenz[a,h]anthracene (C30.36)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Flouorene (C16.55)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Fluoranthene (C21.85)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Indeno[1,2,3-cd]pyrene (C35.01)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Naphthalene (C11.7)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	ortho-Terphenyl (SURR)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01MSD	FG015519.D	Pyrene (C20.8)	yogesh	3/21/2025 9:07:39 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1574-01DL	FG015520.D	ortho-Terphenyl (SURR)	yogesh	3/21/2025 8:28:33 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
PB167245BS	FG015525.D	Fluoranthene (C21.85)	yogesh	3/21/2025 8:28:35 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
PB167245BSD	FG015526.D	Fluoranthene (C21.85)	yogesh	3/21/2025 8:28:41 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software

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Manual Integration Report

Sequence:	FG032025AR	Instrument	FID_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1606-11	FG015528.D	2-Flurobiphenyl (SURR)	yogesh	3/21/2025 8:28:43 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software
Q1606-11	FG015528.D	ortho-Terphenyl (SURR)	yogesh	3/21/2025 8:28:43 AM	mohammad	3/24/2025 3:03:47	Peak Integrated by Software

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF031725AL

Review By	yogesh	Review On	3/17/2025 3:12:35 PM		
Supervise By	mohammad	Supervise On	3/19/2025 6:52:51 AM		
SubDirectory	FF031725AL	HP Acquire Method		HP Processing Method	FF031725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015683.D	17 Mar 2025 16:33	YP\AJ	Ok
2	I.BLK	FF015684.D	17 Mar 2025 17:02	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FF015685.D	17 Mar 2025 17:32	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FF015686.D	17 Mar 2025 18:01	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FF015687.D	17 Mar 2025 18:31	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FF015688.D	17 Mar 2025 19:00	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FF015689.D	17 Mar 2025 19:29	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FF015690.D	17 Mar 2025 19:59	YP\AJ	Ok
9	I.BLK	FF015691.D	17 Mar 2025 20:57	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FF015692.D	17 Mar 2025 21:27	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF032025AL

Review By	yogesh	Review On	3/20/2025 1:16:45 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:03:41 AM		
SubDirectory	FF032025AL	HP Acquire Method		HP Processing Method	FF031725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FF015693.D	20 Mar 2025 08:58	YP\AJ	Ok
2	I.BLK	FF015694.D	20 Mar 2025 09:27	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FF015695.D	20 Mar 2025 11:24	YP\AJ	Ok
4	PB167231BL	FF015696.D	20 Mar 2025 12:31	YP\AJ	Ok
5	PB167231BS	FF015697.D	20 Mar 2025 13:00	YP\AJ	Ok
6	PB167231BSD	FF015698.D	20 Mar 2025 13:29	YP\AJ	Ok
7	Q1574-01	FF015699.D	20 Mar 2025 13:59	YP\AJ	Ok,M
8	Q1574-01D	FF015700.D	20 Mar 2025 14:28	YP\AJ	Ok,M
9	Q1574-01MS	FF015701.D	20 Mar 2025 14:58	YP\AJ	Ok,M
10	Q1574-01MSD	FF015702.D	20 Mar 2025 15:27	YP\AJ	Ok,M
11	Q1574-01DL	FF015703.D	20 Mar 2025 15:56	YP\AJ	Dilution
12	Q1574-01DL2	FF015704.D	20 Mar 2025 16:26	YP\AJ	Ok,M
13	I.BLK	FF015705.D	20 Mar 2025 17:54	YP\AJ	Ok
14	20 PPM ALIPHATIC HC STD	FF015706.D	20 Mar 2025 18:23	YP\AJ	Ok
15	PB167245BL	FF015707.D	20 Mar 2025 20:21	YP\AJ	Ok
16	PB167245BS	FF015708.D	20 Mar 2025 20:51	YP\AJ	Ok
17	PB167245BSD	FF015709.D	20 Mar 2025 21:20	YP\AJ	Ok
18	Q1604-02	FF015710.D	20 Mar 2025 21:49	YP\AJ	Ok
19	Q1606-11	FF015711.D	20 Mar 2025 22:19	YP\AJ	Dilution
20	I.BLK	FF015712.D	20 Mar 2025 23:17	YP\AJ	Ok
21	20 PPM ALIPHATIC HC STD	FF015713.D	20 Mar 2025 23:47	YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG031725AR

Review By	yogesh	Review On	3/17/2025 3:14:44 PM		
Supervise By	mohammad	Supervise On	3/19/2025 6:51:51 AM		
SubDirectory	FG031725AR	HP Acquire Method		HP Processing Method	FG031725AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015500.D	17 Mar 2025 16:33	YP\AJ	Ok
2	I.BLK	FG015501.D	17 Mar 2025 17:02	YP\AJ	Ok
3	100 PPM AROMATIC HC STD1	FG015502.D	17 Mar 2025 17:32	YP\AJ	Ok,M
4	50 PPM AROMATIC HC STD2	FG015503.D	17 Mar 2025 18:01	YP\AJ	Ok
5	20 PPM AROMATIC HC STD3	FG015504.D	17 Mar 2025 18:31	YP\AJ	Ok
6	10 PPM AROMATIC HC STD4	FG015505.D	17 Mar 2025 19:00	YP\AJ	Ok
7	5 PPM AROMATIC HC STD5	FG015506.D	17 Mar 2025 19:29	YP\AJ	Ok
8	20 PPM AROMATIC HC STD ICV	FG015507.D	17 Mar 2025 19:59	YP\AJ	Ok
9	I.BLK	FG015508.D	17 Mar 2025 20:57	YP\AJ	Ok
10	20 PPM AROMATIC HC STD	FG015509.D	17 Mar 2025 21:27	YP\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG032025AR

Review By	yogesh	Review On	3/20/2025 1:17:44 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:03:47 AM		
SubDirectory	FG032025AR	HP Acquire Method		HP Processing Method	FG031725AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FG015510.D	20 Mar 2025 08:58	YP\AJ	Ok
2	I.BLK	FG015511.D	20 Mar 2025 09:27	YP\AJ	Ok
3	20 PPM AROMATIC HC STD	FG015512.D	20 Mar 2025 11:24	YP\AJ	Ok
4	PB167231BL	FG015513.D	20 Mar 2025 12:31	YP\AJ	Ok,M
5	PB167231BS	FG015514.D	20 Mar 2025 13:00	YP\AJ	Ok,M
6	PB167231BSD	FG015515.D	20 Mar 2025 13:29	YP\AJ	Ok,M
7	Q1574-01	FG015516.D	20 Mar 2025 13:59	YP\AJ	Ok
8	Q1574-01D	FG015517.D	20 Mar 2025 14:28	YP\AJ	Ok
9	Q1574-01MS	FG015518.D	20 Mar 2025 14:58	YP\AJ	Ok,M
10	Q1574-01MSD	FG015519.D	20 Mar 2025 15:27	YP\AJ	Ok,M
11	Q1574-01DL	FG015520.D	20 Mar 2025 15:56	YP\AJ	Not Ok
12	Q1574-01DL	FG015521.D	20 Mar 2025 16:26	YP\AJ	Ok
13	I.BLK	FG015522.D	20 Mar 2025 17:54	YP\AJ	Ok
14	20 PPM AROMATIC HC STD	FG015523.D	20 Mar 2025 18:23	YP\AJ	Ok
15	PB167245BL	FG015524.D	20 Mar 2025 20:21	YP\AJ	Ok
16	PB167245BS	FG015525.D	20 Mar 2025 20:51	YP\AJ	Ok,M
17	PB167245BSD	FG015526.D	20 Mar 2025 21:20	YP\AJ	Ok,M
18	Q1604-02	FG015527.D	20 Mar 2025 21:49	YP\AJ	Ok
19	Q1606-11	FG015528.D	20 Mar 2025 22:19	YP\AJ	Dilution
20	I.BLK	FG015529.D	20 Mar 2025 23:17	YP\AJ	Ok
21	20 PPM AROMATIC HC STD	FG015530.D	20 Mar 2025 23:47	YP\AJ	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF031725AL

Review By	yogesh	Review On	3/17/2025 3:12:35 PM		
Supervise By	mohammad	Supervise On	3/19/2025 6:52:51 AM		
SubDirectory	FF031725AL	HP Acquire Method		HP Processing Method	FF031725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015683.D	17 Mar 2025 16:33		YP\AJ	Ok
2	I.BLK	I.BLK	FF015684.D	17 Mar 2025 17:02		YP\AJ	Ok
3	100 PPM ALIPHATIC H	100 PPM ALIPHATIC H	FF015685.D	17 Mar 2025 17:32		YP\AJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FF015686.D	17 Mar 2025 18:01		YP\AJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015687.D	17 Mar 2025 18:31		YP\AJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FF015688.D	17 Mar 2025 19:00		YP\AJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FF015689.D	17 Mar 2025 19:29		YP\AJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015690.D	17 Mar 2025 19:59		YP\AJ	Ok
9	I.BLK	I.BLK	FF015691.D	17 Mar 2025 20:57		YP\AJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015692.D	17 Mar 2025 21:27		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF032025AL

Review By	yogesh	Review On	3/20/2025 1:16:45 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:03:41 AM		
SubDirectory	FF032025AL	HP Acquire Method		HP Processing Method	FF031725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FF015693.D	20 Mar 2025 08:58		YP\AJ	Ok
2	I.BLK	I.BLK	FF015694.D	20 Mar 2025 09:27		YP\AJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015695.D	20 Mar 2025 11:24		YP\AJ	Ok
4	PB167231BL	PB167231BL	FF015696.D	20 Mar 2025 12:31		YP\AJ	Ok
5	PB167231BS	PB167231BS	FF015697.D	20 Mar 2025 13:00	naphthalene break down - 0.084 , 2 methylnephthalene break down - 0.041	YP\AJ	Ok
6	PB167231BSD	PB167231BSD	FF015698.D	20 Mar 2025 13:29	naphthalene break down - 0.060 , 2 methylnephthalene break down - 0.035	YP\AJ	Ok
7	Q1574-01	WC1	FF015699.D	20 Mar 2025 13:59		YP\AJ	Ok,M
8	Q1574-01D	Q1574-01D	FF015700.D	20 Mar 2025 14:28		YP\AJ	Ok,M
9	Q1574-01MS	WC1MS	FF015701.D	20 Mar 2025 14:58	FF015699.D	YP\AJ	Ok,M
10	Q1574-01MSD	WC1MSD	FF015702.D	20 Mar 2025 15:27	FF015699.D!FF015701.D	YP\AJ	Ok,M
11	Q1574-01DL	WC1DL	FF015703.D	20 Mar 2025 15:56	need further dilution	YP\AJ	Dilution
12	Q1574-01DL2	WC1DL2	FF015704.D	20 Mar 2025 16:26		YP\AJ	Ok,M
13	I.BLK	I.BLK	FF015705.D	20 Mar 2025 17:54		YP\AJ	Ok
14	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015706.D	20 Mar 2025 18:23		YP\AJ	Ok
15	PB167245BL	PB167245BL	FF015707.D	20 Mar 2025 20:21		YP\AJ	Ok
16	PB167245BS	PB167245BS	FF015708.D	20 Mar 2025 20:51	naphthalene break down - 0.074 , 2 methylnephthalene break down - 0.049	YP\AJ	Ok

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Instrument ID: FID_F

Daily Analysis Runlog For Sequence/QCBatch ID # FF032025AL

Review By	yogesh	Review On	3/20/2025 1:16:45 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:03:41 AM		
SubDirectory	FF032025AL	HP Acquire Method		HP Processing Method	FF031725AL

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24170,PP24175,PP24176,PP24177,PP24178
CCC	PP24176
Internal Standard/PEM	
ICV/I.BLK	PP24174,PP24179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	PB167245BSD	PB167245BSD	FF015709.D	20 Mar 2025 21:20	naphthalene break down - 0.076 , 2 methylnephthalene break down - 0.049	YP\AJ	Ok
18	Q1604-02	FRAC-TANK-N45878	FF015710.D	20 Mar 2025 21:49		YP\AJ	Ok
19	Q1606-11	N48965	FF015711.D	20 Mar 2025 22:19	need 50x & 200x dilution	YP\AJ	Dilution
20	I.BLK	I.BLK	FF015712.D	20 Mar 2025 23:17		YP\AJ	Ok
21	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FF015713.D	20 Mar 2025 23:47		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG031725AR

Review By	yogesh	Review On	3/17/2025 3:14:44 PM		
Supervise By	mohammad	Supervise On	3/19/2025 6:51:51 AM		
SubDirectory	FG031725AR	HP Acquire Method		HP Processing Method	FG031725AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG015500.D	17 Mar 2025 16:33		YP\AJ	Ok
2	I.BLK	I.BLK	FG015501.D	17 Mar 2025 17:02		YP\AJ	Ok
3	100 PPM AROMATIC H	100 PPM AROMATIC H	FG015502.D	17 Mar 2025 17:32		YP\AJ	Ok,M
4	50 PPM AROMATIC HC	50 PPM AROMATIC HC	FG015503.D	17 Mar 2025 18:01		YP\AJ	Ok
5	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015504.D	17 Mar 2025 18:31		YP\AJ	Ok
6	10 PPM AROMATIC HC	10 PPM AROMATIC HC	FG015505.D	17 Mar 2025 19:00		YP\AJ	Ok
7	5 PPM AROMATIC HC	5 PPM AROMATIC HC	FG015506.D	17 Mar 2025 19:29		YP\AJ	Ok
8	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015507.D	17 Mar 2025 19:59		YP\AJ	Ok
9	I.BLK	I.BLK	FG015508.D	17 Mar 2025 20:57		YP\AJ	Ok
10	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015509.D	17 Mar 2025 21:27		YP\AJ	Ok

M : Manual Integration

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG032025AR

Review By	yogesh	Review On	3/20/2025 1:17:44 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:03:47 AM		
SubDirectory	FG032025AR	HP Acquire Method		HP Processing Method	FG031725AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FG015510.D	20 Mar 2025 08:58		YP\AJ	Ok
2	I.BLK	I.BLK	FG015511.D	20 Mar 2025 09:27		YP\AJ	Ok
3	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015512.D	20 Mar 2025 11:24		YP\AJ	Ok
4	PB167231BL	PB167231BL	FG015513.D	20 Mar 2025 12:31		YP\AJ	Ok,M
5	PB167231BS	PB167231BS	FG015514.D	20 Mar 2025 13:00	naphthalene break down - 0.084 , 2 methylnephthalene break down - 0.041	YP\AJ	Ok,M
6	PB167231BSD	PB167231BSD	FG015515.D	20 Mar 2025 13:29	naphthalene break down - 0.060 , 2 methylnephthalene break down - 0.035	YP\AJ	Ok,M
7	Q1574-01	WC1	FG015516.D	20 Mar 2025 13:59		YP\AJ	Ok
8	Q1574-01D	Q1574-01D	FG015517.D	20 Mar 2025 14:28		YP\AJ	Ok
9	Q1574-01MS	WC1MS	FG015518.D	20 Mar 2025 14:58	FG015516.D	YP\AJ	Ok,M
10	Q1574-01MSD	WC1MSD	FG015519.D	20 Mar 2025 15:27	FG015516.D!FG015518.D	YP\AJ	Ok,M
11	Q1574-01DL	WC1DL	FG015520.D	20 Mar 2025 15:56	not required	YP\AJ	Not Ok
12	Q1574-01DL	WC1DL	FG015521.D	20 Mar 2025 16:26		YP\AJ	Ok
13	I.BLK	I.BLK	FG015522.D	20 Mar 2025 17:54		YP\AJ	Ok
14	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015523.D	20 Mar 2025 18:23		YP\AJ	Ok
15	PB167245BL	PB167245BL	FG015524.D	20 Mar 2025 20:21		YP\AJ	Ok
16	PB167245BS	PB167245BS	FG015525.D	20 Mar 2025 20:51	naphthalene break down - 0.074 , 2 methylnephthalene break down - 0.049	YP\AJ	Ok,M

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Instrument ID: FID_G

Daily Analysis Runlog For Sequence/QCBatch ID # FG032025AR

Review By	yogesh	Review On	3/20/2025 1:17:44 PM		
Supervise By	mohammad	Supervise On	3/24/2025 3:03:47 AM		
SubDirectory	FG032025AR	HP Acquire Method		HP Processing Method	FG031725AR

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23968,PP24202,PP24203,PP24204,PP24205
CCC	PP24203
Internal Standard/PEM	
ICV/I.BLK	PP23969,PP24206
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	PB167245BSD	PB167245BSD	FG015526.D	20 Mar 2025 21:20	naphthalene break down - 0.076 , 2 methylnephthalene break down - 0.049	YP\AJ	Ok,M
18	Q1604-02	FRAC-TANK-N45878	FG015527.D	20 Mar 2025 21:49		YP\AJ	Ok
19	Q1606-11	N48965	FG015528.D	20 Mar 2025 22:19	need 2x, 10x & 50x dilution	YP\AJ	Dilution
20	I.BLK	I.BLK	FG015529.D	20 Mar 2025 23:17		YP\AJ	Ok
21	20 PPM AROMATIC HC	20 PPM AROMATIC HC	FG015530.D	20 Mar 2025 23:47		YP\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167231

SOP ID:	MNJDEP-EPH-7				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/19/2025
Matrix :	Solid			**Extraction Start Time :**	15:00
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	03/20/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	10:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24207
Surrogate	1.0ML	100 PPM	PP24210
Fractionation Surrogate	1.0ML	100 PPM	PP24216
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2595
Sand	N/A	E2865
Hexane	N/A	E3914
Methylene Chloride	N/A	E3904
EPH Cartridge	N/A	E3757
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/20/25	RS (Ext lab)	Y-P-PestHPLC
10:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167231

Analytical Method: MNJDEP-EPH-7

Concentration Date: 03/20/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167231BL	PB167231BL	EPH	30.01	N/A	ritesh	Evelyn	2			U6-1
PB167231BS	PB167231BS	EPH	30.03	N/A	ritesh	Evelyn	2			2
PB167231BSD	PB167231BSD	EPH	30.01	N/A	ritesh	Evelyn	2			3
Q1574-01	WC1	EPH	30.09	N/A	ritesh	Evelyn	2	C		4
Q1574-01DUP	WC1DUP	EPH	30.07	N/A	ritesh	Evelyn	2	C		5
Q1574-01MS	WC1MS	EPH	30.03	N/A	ritesh	Evelyn	2	C		6
Q1574-01MSD	WC1MSD	EPH	30.05	N/A	ritesh	Evelyn	2	C		U7-1

RS 3/20

* **Extracts relinguished on the same date as received.**

167231
15:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1574 **WorkList ID :** 188400 **Department :** Extraction **Date :** 03-19-2025 14:54:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1574-01	WC1	Solid	EPH	Cool 4 deg C	GENV01	I41	03/12/2025	NJEPH

Date/Time 3/19/25 14:55
Raw Sample Received by: RJ (EXT lab)
Raw Sample Relinquished by: SM

Date/Time 3/19/25 15:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXT lab)

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LAB CHRONICLE

OrderID:	Q1574	**OrderDate:**	3/14/2025 11:25:00 AM
Client:	G Environmental	**Project:**	Ave L
Contact:	Gary Landis	**Location:**	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1574-01	**WC1**	**SOIL**			**03/12/25**			**03/14/25**
			PCB	8082A		03/14/25	03/17/25	
			EPH	NJEPH		03/19/25	03/20/25	
Q1574-01DL	**WC1DL**	**SOIL**			**03/12/25**			**03/14/25**
			PCB	8082A		03/14/25	03/17/25	
			EPH	NJEPH		03/19/25	03/20/25	
Q1574-01DL2	**WC1DL2**	**SOIL**			**03/12/25**			**03/14/25**
			EPH	NJEPH		03/19/25	03/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1574 **Order ID:** Q1574

Client: G Environmental **Project ID:** Ave L

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q1574-01	WC1	SOIL	Aluminum	7830		2.11	4.38	mg/Kg
Q1574-01	WC1	SOIL	Antimony	23.9		0.13	2.19	mg/Kg
Q1574-01	WC1	SOIL	Arsenic	112		0.25	0.88	mg/Kg
Q1574-01	WC1	SOIL	Barium	267		0.56	4.38	mg/Kg
Q1574-01	WC1	SOIL	Beryllium	1.58		0.011	0.26	mg/Kg
Q1574-01	WC1	SOIL	Cadmium	13.9		0.014	0.26	mg/Kg
Q1574-01	WC1	SOIL	Calcium	7580		2.45	87.6	mg/Kg
Q1574-01	WC1	SOIL	Chromium	118	D	0.95	8.76	mg/Kg
Q1574-01	WC1	SOIL	Cobalt	39.8		0.051	1.31	mg/Kg
Q1574-01	WC1	SOIL	Copper	42300	D	8.23	17.5	mg/Kg
Q1574-01	WC1	SOIL	Iron	140000	D	47.1	87.6	mg/Kg
Q1574-01	WC1	SOIL	Lead	1590		0.13	0.53	mg/Kg
Q1574-01	WC1	SOIL	Magnesium	2890		3.00	87.6	mg/Kg
Q1574-01	WC1	SOIL	Manganese	491		0.062	0.88	mg/Kg
Q1574-01	WC1	SOIL	Mercury	18.7	D	0.36	0.64	mg/Kg
Q1574-01	WC1	SOIL	Nickel	1420		0.079	1.75	mg/Kg
Q1574-01	WC1	SOIL	Potassium	736		25.1	87.6	mg/Kg
Q1574-01	WC1	SOIL	Silver	28.9	D	0.91	8.76	mg/Kg
Q1574-01	WC1	SOIL	Sodium	858		31.6	87.6	mg/Kg
Q1574-01	WC1	SOIL	Thallium	7.63		0.39	1.75	mg/Kg
Q1574-01	WC1	SOIL	Vanadium	33.1		0.24	1.75	mg/Kg
Q1574-01	WC1	SOIL	Zinc	16900	D	1.93	35.0	mg/Kg

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	98

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7830		1	2.11	4.38	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-36-0	Antimony	23.9	N	1	0.13	2.19	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-38-2	Arsenic	112		1	0.25	0.88	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-39-3	Barium	267	N	1	0.56	4.38	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-41-7	Beryllium	1.58	N	1	0.011	0.26	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-43-9	Cadmium	13.9		1	0.014	0.26	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-70-2	Calcium	7580		1	2.45	87.6	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-47-3	Chromium	118	DN	20	0.95	8.76	mg/Kg	03/14/25 15:20	03/18/25 13:41	SW6010	SW3050
7440-48-4	Cobalt	39.8		1	0.051	1.31	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-50-8	Copper	42300	DN	20	8.23	17.5	mg/Kg	03/14/25 15:20	03/18/25 13:41	SW6010	SW3050
7439-89-6	Iron	140000	D	20	47.1	87.6	mg/Kg	03/14/25 15:20	03/18/25 13:41	SW6010	SW3050
7439-92-1	Lead	1590		1	0.13	0.53	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7439-95-4	Magnesium	2890		1	3.00	87.6	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7439-96-5	Manganese	491		1	0.062	0.88	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7439-97-6	Mercury	18.7	D	50	0.36	0.64	mg/Kg	03/17/25 09:45	03/17/25 14:37	SW7471B	
7440-02-0	Nickel	1420		1	0.079	1.75	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-09-7	Potassium	736		1	25.1	87.6	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	0.88	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-22-4	Silver	28.9	D	20	0.91	8.76	mg/Kg	03/14/25 15:20	03/18/25 13:41	SW6010	SW3050
7440-23-5	Sodium	858	N	1	31.6	87.6	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-28-0	Thallium	7.63		1	0.39	1.75	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-62-2	Vanadium	33.1		1	0.24	1.75	mg/Kg	03/14/25 15:20	03/18/25 11:49	SW6010	SW3050
7440-66-6	Zinc	16900	DN	20	1.93	35.0	mg/Kg	03/14/25 15:20	03/18/25 13:41	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB45	Mercury	0.20	+/-0.20	U	0.20	CV	03/17/2025	13:30	LB135056

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB17	Mercury	0.20	+/-0.20	U	0.20	CV	03/17/2025	13:35	LB135056
CCB18	Mercury	0.20	+/-0.20	U	0.20	CV	03/17/2025	14:07	LB135056
CCB19	Mercury	0.20	+/-0.20	U	0.20	CV	03/17/2025	14:42	LB135056

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	03/18/2025	10:45	LB135083
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2025	10:45	LB135083
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	10:45	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	10:45	LB135083
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2025	10:45	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	10:45	LB135083
	Calcium	2000	+/-2000	U	2000	P	03/18/2025	10:45	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	10:45	LB135083
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2025	10:45	LB135083
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2025	10:45	LB135083
	Iron	100	+/-100	U	100	P	03/18/2025	10:45	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	10:45	LB135083
	Magnesium	2000	+/-2000	U	2000	P	03/18/2025	10:45	LB135083
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2025	10:45	LB135083
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2025	10:45	LB135083
	Potassium	2000	+/-2000	U	2000	P	03/18/2025	10:45	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	10:45	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	10:45	LB135083
	Sodium	2000	+/-2000	U	2000	P	03/18/2025	10:45	LB135083
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2025	10:45	LB135083
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2025	10:45	LB135083
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2025	10:45	LB135083

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	03/18/2025	11:13	LB135083
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2025	11:13	LB135083
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	11:13	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	11:13	LB135083
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2025	11:13	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	11:13	LB135083
	Calcium	2000	+/-2000	U	2000	P	03/18/2025	11:13	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	11:13	LB135083
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2025	11:13	LB135083
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2025	11:13	LB135083
	Iron	100	+/-100	U	100	P	03/18/2025	11:13	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	11:13	LB135083
	Magnesium	2000	+/-2000	U	2000	P	03/18/2025	11:13	LB135083
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2025	11:13	LB135083
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2025	11:13	LB135083
	Potassium	2000	+/-2000	U	2000	P	03/18/2025	11:13	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	11:13	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	11:13	LB135083
	Sodium	2000	+/-2000	U	2000	P	03/18/2025	11:13	LB135083
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2025	11:13	LB135083
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2025	11:13	LB135083
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2025	11:13	LB135083
CCB02	Aluminum	100	+/-100	U	100	P	03/18/2025	12:17	LB135083
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2025	12:17	LB135083
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	12:17	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	12:17	LB135083
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2025	12:17	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	12:17	LB135083
	Calcium	2000	+/-2000	U	2000	P	03/18/2025	12:17	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	12:17	LB135083
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2025	12:17	LB135083
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2025	12:17	LB135083
	Iron	100	+/-100	U	100	P	03/18/2025	12:17	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	12:17	LB135083
	Magnesium	2000	+/-2000	U	2000	P	03/18/2025	12:17	LB135083
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2025	12:17	LB135083
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2025	12:17	LB135083
	Potassium	2000	+/-2000	U	2000	P	03/18/2025	12:17	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	12:17	LB135083

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	12:17	LB135083
	Sodium	2000	+/-2000	U	2000	P	03/18/2025	12:17	LB135083
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2025	12:17	LB135083
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2025	12:17	LB135083
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2025	12:17	LB135083
CCB03	Aluminum	100	+/-100	U	100	P	03/18/2025	13:13	LB135083
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2025	13:13	LB135083
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	13:13	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	13:13	LB135083
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2025	13:13	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	13:13	LB135083
	Calcium	2000	+/-2000	U	2000	P	03/18/2025	13:13	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	13:13	LB135083
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2025	13:13	LB135083
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2025	13:13	LB135083
	Iron	100	+/-100	U	100	P	03/18/2025	13:13	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	13:13	LB135083
	Magnesium	2000	+/-2000	U	2000	P	03/18/2025	13:13	LB135083
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2025	13:13	LB135083
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2025	13:13	LB135083
	Potassium	2000	+/-2000	U	2000	P	03/18/2025	13:13	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	13:13	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	13:13	LB135083
	Sodium	2000	+/-2000	U	2000	P	03/18/2025	13:13	LB135083
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2025	13:13	LB135083
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2025	13:13	LB135083
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2025	13:13	LB135083
CCB04	Aluminum	100	+/-100	U	100	P	03/18/2025	14:20	LB135083
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2025	14:20	LB135083
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	14:20	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	14:20	LB135083
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2025	14:20	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	14:20	LB135083
	Calcium	2000	+/-2000	U	2000	P	03/18/2025	14:20	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	14:20	LB135083
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2025	14:20	LB135083
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2025	14:20	LB135083
	Iron	100	+/-100	U	100	P	03/18/2025	14:20	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	14:20	LB135083

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	03/18/2025	14:20	LB135083
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2025	14:20	LB135083
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2025	14:20	LB135083
	Potassium	2000	+/-2000	U	2000	P	03/18/2025	14:20	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	14:20	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	14:20	LB135083
	Sodium	2000	+/-2000	U	2000	P	03/18/2025	14:20	LB135083
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2025	14:20	LB135083
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2025	14:20	LB135083
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2025	14:20	LB135083
CCB05	Aluminum	100	+/-100	U	100	P	03/18/2025	14:53	LB135083
	Antimony	50.0	+/-50.0	U	50.0	P	03/18/2025	14:53	LB135083
	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	14:53	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	14:53	LB135083
	Beryllium	6.00	+/-6.00	U	6.00	P	03/18/2025	14:53	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	14:53	LB135083
	Calcium	2000	+/-2000	U	2000	P	03/18/2025	14:53	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	14:53	LB135083
	Cobalt	30.0	+/-30.0	U	30.0	P	03/18/2025	14:53	LB135083
	Copper	20.0	+/-20.0	U	20.0	P	03/18/2025	14:53	LB135083
	Iron	100	+/-100	U	100	P	03/18/2025	14:53	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	14:53	LB135083
	Magnesium	2000	+/-2000	U	2000	P	03/18/2025	14:53	LB135083
	Manganese	20.0	+/-20.0	U	20.0	P	03/18/2025	14:53	LB135083
	Nickel	40.0	+/-40.0	U	40.0	P	03/18/2025	14:53	LB135083
	Potassium	2000	+/-2000	U	2000	P	03/18/2025	14:53	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	14:53	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	14:53	LB135083
	Sodium	2000	+/-2000	U	2000	P	03/18/2025	14:53	LB135083
	Thallium	40.0	+/-40.0	U	40.0	P	03/18/2025	14:53	LB135083
	Vanadium	40.0	+/-40.0	U	40.0	P	03/18/2025	14:53	LB135083
	Zinc	40.0	+/-40.0	U	40.0	P	03/18/2025	14:53	LB135083

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167162BL		**SOLID**		**Batch Number:**	**PB167162**		**Prep Date:**	**03/17/2025**	
	Mercury	0.013	<0.013	U	0.013	CV	03/17/2025	13:44	LB135056

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167145BL		**SOLID**		**Batch Number:**	**PB167145**		**Prep Date:**	**03/14/2025**	
	Aluminum	4.69	<4.69	U	4.69	P	03/18/2025	11:18	LB135083
	Antimony	2.35	<2.35	U	2.35	P	03/18/2025	11:18	LB135083
	Arsenic	0.94	<0.94	U	0.94	P	03/18/2025	11:18	LB135083
	Barium	4.69	<4.69	U	4.69	P	03/18/2025	11:18	LB135083
	Beryllium	0.28	<0.28	U	0.28	P	03/18/2025	11:18	LB135083
	Cadmium	0.28	<0.28	U	0.28	P	03/18/2025	11:18	LB135083
	Calcium	93.9	<93.9	U	93.9	P	03/18/2025	11:18	LB135083
	Chromium	0.47	<0.47	U	0.47	P	03/18/2025	11:18	LB135083
	Cobalt	1.41	<1.41	U	1.41	P	03/18/2025	11:18	LB135083
	Copper	0.94	<0.94	U	0.94	P	03/18/2025	11:18	LB135083
	Iron	4.69	<4.69	U	4.69	P	03/18/2025	11:18	LB135083
	Lead	0.56	<0.56	U	0.56	P	03/18/2025	11:18	LB135083
	Magnesium	93.9	<93.9	U	93.9	P	03/18/2025	11:18	LB135083
	Manganese	0.94	<0.94	U	0.94	P	03/18/2025	11:18	LB135083
	Nickel	1.88	<1.88	U	1.88	P	03/18/2025	11:18	LB135083
	Potassium	93.9	<93.9	U	93.9	P	03/18/2025	11:18	LB135083
	Selenium	0.94	<0.94	U	0.94	P	03/18/2025	11:18	LB135083
	Silver	0.47	<0.47	U	0.47	P	03/18/2025	11:18	LB135083
	Sodium	93.9	<93.9	U	93.9	P	03/18/2025	11:18	LB135083
	Thallium	1.88	<1.88	U	1.88	P	03/18/2025	11:18	LB135083
	Vanadium	1.88	<1.88	U	1.88	P	03/18/2025	11:18	LB135083
	Zinc	1.88	<1.88	U	1.88	P	03/18/2025	11:18	LB135083

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV45	Mercury	3.97	4.0	99	90 - 110	CV	03/17/2025	13:28	LB135056

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV17	Mercury	5.06	5.0	101	90 - 110	CV	03/17/2025	13:33	LB135056
CCV18	Mercury	5.04	5.0	101	90 - 110	CV	03/17/2025	14:05	LB135056
CCV19	Mercury	5.29	5.0	106	90 - 110	CV	03/17/2025	14:40	LB135056

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2530	2500	101	90 - 110	P	03/18/2025	10:36	LB135083
	Antimony	1010	1000	102	90 - 110	P	03/18/2025	10:36	LB135083
	Arsenic	1020	1000	102	90 - 110	P	03/18/2025	10:36	LB135083
	Barium	540	520	104	90 - 110	P	03/18/2025	10:36	LB135083
	Beryllium	543	510	106	90 - 110	P	03/18/2025	10:36	LB135083
	Cadmium	510	510	100	90 - 110	P	03/18/2025	10:36	LB135083
	Calcium	9880	10000	99	90 - 110	P	03/18/2025	10:36	LB135083
	Chromium	537	520	103	90 - 110	P	03/18/2025	10:36	LB135083
	Cobalt	516	520	99	90 - 110	P	03/18/2025	10:36	LB135083
	Copper	530	510	104	90 - 110	P	03/18/2025	10:36	LB135083
	Iron	10200	10000	102	90 - 110	P	03/18/2025	10:36	LB135083
	Lead	1010	1000	101	90 - 110	P	03/18/2025	10:36	LB135083
	Magnesium	5820	6000	97	90 - 110	P	03/18/2025	10:36	LB135083
	Manganese	500	520	96	90 - 110	P	03/18/2025	10:36	LB135083
	Nickel	519	530	98	90 - 110	P	03/18/2025	10:36	LB135083
	Potassium	9940	9900	100	90 - 110	P	03/18/2025	10:36	LB135083
	Selenium	1050	1000	105	90 - 110	P	03/18/2025	10:36	LB135083
	Silver	260	250	104	90 - 110	P	03/18/2025	10:36	LB135083
	Sodium	10100	10000	101	90 - 110	P	03/18/2025	10:36	LB135083
	Thallium	1070	1000	106	90 - 110	P	03/18/2025	10:36	LB135083
	Vanadium	519	500	104	90 - 110	P	03/18/2025	10:36	LB135083
	Zinc	1040	1000	104	90 - 110	P	03/18/2025	10:36	LB135083

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	105	100	105	80 - 120	P	03/18/2025	10:41	LB135083
	Antimony	54.0	50.0	108	80 - 120	P	03/18/2025	10:41	LB135083
	Arsenic	21.9	20.0	110	80 - 120	P	03/18/2025	10:41	LB135083
	Barium	95.4	100	95	80 - 120	P	03/18/2025	10:41	LB135083
	Beryllium	5.97	6.0	100	80 - 120	P	03/18/2025	10:41	LB135083
	Cadmium	5.91	6.0	98	80 - 120	P	03/18/2025	10:41	LB135083
	Calcium	1980	2000	99	80 - 120	P	03/18/2025	10:41	LB135083
	Chromium	10.9	10.0	109	80 - 120	P	03/18/2025	10:41	LB135083
	Cobalt	29.6	30.0	99	80 - 120	P	03/18/2025	10:41	LB135083
	Copper	22.3	20.0	112	80 - 120	P	03/18/2025	10:41	LB135083
	Iron	112	100	112	80 - 120	P	03/18/2025	10:41	LB135083
	Lead	10.9	12.0	91	80 - 120	P	03/18/2025	10:41	LB135083
	Magnesium	2090	2000	105	80 - 120	P	03/18/2025	10:41	LB135083
	Manganese	19.3	20.0	96	80 - 120	P	03/18/2025	10:41	LB135083
	Nickel	39.6	40.0	99	80 - 120	P	03/18/2025	10:41	LB135083
	Potassium	1860	2000	93	80 - 120	P	03/18/2025	10:41	LB135083
	Selenium	18.4	20.0	92	80 - 120	P	03/18/2025	10:41	LB135083
	Silver	10.1	10.0	101	80 - 120	P	03/18/2025	10:41	LB135083
	Sodium	1940	2000	97	80 - 120	P	03/18/2025	10:41	LB135083
	Thallium	38.6	40.0	96	80 - 120	P	03/18/2025	10:41	LB135083
	Vanadium	38.6	40.0	96	80 - 120	P	03/18/2025	10:41	LB135083
	Zinc	42.8	40.0	107	80 - 120	P	03/18/2025	10:41	LB135083

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9850	10000	98	90 - 110	P	03/18/2025	11:09	LB135083
	Antimony	5030	5000	101	90 - 110	P	03/18/2025	11:09	LB135083
	Arsenic	5040	5000	101	90 - 110	P	03/18/2025	11:09	LB135083
	Barium	9530	10000	95	90 - 110	P	03/18/2025	11:09	LB135083
	Beryllium	243	250	97	90 - 110	P	03/18/2025	11:09	LB135083
	Cadmium	2470	2500	99	90 - 110	P	03/18/2025	11:09	LB135083
	Calcium	24200	25000	97	90 - 110	P	03/18/2025	11:09	LB135083
	Chromium	1020	1000	102	90 - 110	P	03/18/2025	11:09	LB135083
	Cobalt	2460	2500	98	90 - 110	P	03/18/2025	11:09	LB135083
	Copper	1240	1250	100	90 - 110	P	03/18/2025	11:09	LB135083
	Iron	4880	5000	98	90 - 110	P	03/18/2025	11:09	LB135083
	Lead	4990	5000	100	90 - 110	P	03/18/2025	11:09	LB135083
	Magnesium	24000	25000	96	90 - 110	P	03/18/2025	11:09	LB135083
	Manganese	2350	2500	94	90 - 110	P	03/18/2025	11:09	LB135083
	Nickel	2450	2500	98	90 - 110	P	03/18/2025	11:09	LB135083
	Potassium	24400	25000	98	90 - 110	P	03/18/2025	11:09	LB135083
	Selenium	5040	5000	101	90 - 110	P	03/18/2025	11:09	LB135083
	Silver	1260	1250	101	90 - 110	P	03/18/2025	11:09	LB135083
	Sodium	25300	25000	101	90 - 110	P	03/18/2025	11:09	LB135083
	Thallium	5130	5000	103	90 - 110	P	03/18/2025	11:09	LB135083
	Vanadium	2420	2500	97	90 - 110	P	03/18/2025	11:09	LB135083
	Zinc	2540	2500	102	90 - 110	P	03/18/2025	11:09	LB135083
CCV02	Aluminum	9700	10000	97	90 - 110	P	03/18/2025	12:08	LB135083
	Antimony	4940	5000	99	90 - 110	P	03/18/2025	12:08	LB135083
	Arsenic	4890	5000	98	90 - 110	P	03/18/2025	12:08	LB135083
	Barium	9170	10000	92	90 - 110	P	03/18/2025	12:08	LB135083
	Beryllium	237	250	95	90 - 110	P	03/18/2025	12:08	LB135083
	Cadmium	2410	2500	96	90 - 110	P	03/18/2025	12:08	LB135083
	Calcium	23900	25000	95	90 - 110	P	03/18/2025	12:08	LB135083
	Chromium	1020	1000	102	90 - 110	P	03/18/2025	12:08	LB135083
	Cobalt	2400	2500	96	90 - 110	P	03/18/2025	12:08	LB135083
	Copper	1210	1250	97	90 - 110	P	03/18/2025	12:08	LB135083
	Iron	4690	5000	94	90 - 110	P	03/18/2025	12:08	LB135083
	Lead	4880	5000	98	90 - 110	P	03/18/2025	12:08	LB135083

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	23600	25000	95	90 - 110	P	03/18/2025	12:08	LB135083
	Manganese	2260	2500	90	90 - 110	P	03/18/2025	12:08	LB135083
	Nickel	2390	2500	96	90 - 110	P	03/18/2025	12:08	LB135083
	Potassium	23400	25000	94	90 - 110	P	03/18/2025	12:08	LB135083
	Selenium	4860	5000	97	90 - 110	P	03/18/2025	12:08	LB135083
	Silver	1240	1250	99	90 - 110	P	03/18/2025	12:08	LB135083
	Sodium	24500	25000	98	90 - 110	P	03/18/2025	12:08	LB135083
	Thallium	5040	5000	101	90 - 110	P	03/18/2025	12:08	LB135083
	Vanadium	2380	2500	95	90 - 110	P	03/18/2025	12:08	LB135083
	Zinc	2290	2500	91	90 - 110	P	03/18/2025	12:08	LB135083
CCV03	Aluminum	9740	10000	97	90 - 110	P	03/18/2025	13:07	LB135083
	Antimony	4970	5000	99	90 - 110	P	03/18/2025	13:07	LB135083
	Arsenic	4920	5000	98	90 - 110	P	03/18/2025	13:07	LB135083
	Barium	9800	10000	98	90 - 110	P	03/18/2025	13:07	LB135083
	Beryllium	239	250	96	90 - 110	P	03/18/2025	13:07	LB135083
	Cadmium	2400	2500	96	90 - 110	P	03/18/2025	13:07	LB135083
	Calcium	23700	25000	95	90 - 110	P	03/18/2025	13:07	LB135083
	Chromium	1020	1000	102	90 - 110	P	03/18/2025	13:07	LB135083
	Cobalt	2390	2500	96	90 - 110	P	03/18/2025	13:07	LB135083
	Copper	1220	1250	97	90 - 110	P	03/18/2025	13:07	LB135083
	Iron	4690	5000	94	90 - 110	P	03/18/2025	13:07	LB135083
	Lead	4850	5000	97	90 - 110	P	03/18/2025	13:07	LB135083
	Magnesium	23700	25000	95	90 - 110	P	03/18/2025	13:07	LB135083
	Manganese	2390	2500	96	90 - 110	P	03/18/2025	13:07	LB135083
	Nickel	2380	2500	95	90 - 110	P	03/18/2025	13:07	LB135083
	Potassium	23300	25000	93	90 - 110	P	03/18/2025	13:07	LB135083
	Selenium	4910	5000	98	90 - 110	P	03/18/2025	13:07	LB135083
	Silver	1240	1250	99	90 - 110	P	03/18/2025	13:07	LB135083
	Sodium	24600	25000	98	90 - 110	P	03/18/2025	13:07	LB135083
	Thallium	5040	5000	101	90 - 110	P	03/18/2025	13:07	LB135083
	Vanadium	2370	2500	95	90 - 110	P	03/18/2025	13:07	LB135083
	Zinc	2430	2500	97	90 - 110	P	03/18/2025	13:07	LB135083
CCV04	Aluminum	9260	10000	93	90 - 110	P	03/18/2025	14:07	LB135083
	Antimony	4820	5000	96	90 - 110	P	03/18/2025	14:07	LB135083

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4770	5000	95	90 - 110	P	03/18/2025	14:07	LB135083
	Barium	9510	10000	95	90 - 110	P	03/18/2025	14:07	LB135083
	Beryllium	225	250	90	90 - 110	P	03/18/2025	14:07	LB135083
	Cadmium	2310	2500	92	90 - 110	P	03/18/2025	14:07	LB135083
	Calcium	23500	25000	94	90 - 110	P	03/18/2025	14:07	LB135083
	Chromium	981	1000	98	90 - 110	P	03/18/2025	14:07	LB135083
	Cobalt	2300	2500	92	90 - 110	P	03/18/2025	14:07	LB135083
	Copper	1180	1250	94	90 - 110	P	03/18/2025	14:07	LB135083
	Iron	5040	5000	101	90 - 110	P	03/18/2025	14:07	LB135083
	Lead	4660	5000	93	90 - 110	P	03/18/2025	14:07	LB135083
	Magnesium	25200	25000	101	90 - 110	P	03/18/2025	14:07	LB135083
	Manganese	2700	2500	108	90 - 110	P	03/18/2025	14:07	LB135083
	Nickel	2300	2500	92	90 - 110	P	03/18/2025	14:07	LB135083
	Potassium	23400	25000	94	90 - 110	P	03/18/2025	14:07	LB135083
	Selenium	4760	5000	95	90 - 110	P	03/18/2025	14:07	LB135083
	Silver	1190	1250	95	90 - 110	P	03/18/2025	14:07	LB135083
	Sodium	23700	25000	95	90 - 110	P	03/18/2025	14:07	LB135083
	Thallium	4800	5000	96	90 - 110	P	03/18/2025	14:07	LB135083
	Vanadium	2250	2500	90	90 - 110	P	03/18/2025	14:07	LB135083
	Zinc	2330	2500	93	90 - 110	P	03/18/2025	14:07	LB135083
CCV05	Aluminum	9410	10000	94	90 - 110	P	03/18/2025	14:49	LB135083
	Antimony	4970	5000	99	90 - 110	P	03/18/2025	14:49	LB135083
	Arsenic	4920	5000	98	90 - 110	P	03/18/2025	14:49	LB135083
	Barium	10800	10000	108	90 - 110	P	03/18/2025	14:49	LB135083
	Beryllium	227	250	91	90 - 110	P	03/18/2025	14:49	LB135083
	Cadmium	2370	2500	95	90 - 110	P	03/18/2025	14:49	LB135083
	Calcium	22900	25000	92	90 - 110	P	03/18/2025	14:49	LB135083
	Chromium	1000	1000	100	90 - 110	P	03/18/2025	14:49	LB135083
	Cobalt	2370	2500	95	90 - 110	P	03/18/2025	14:49	LB135083
	Copper	1220	1250	98	90 - 110	P	03/18/2025	14:49	LB135083
	Iron	4720	5000	94	90 - 110	P	03/18/2025	14:49	LB135083
	Lead	4790	5000	96	90 - 110	P	03/18/2025	14:49	LB135083
	Magnesium	22600	25000	90	90 - 110	P	03/18/2025	14:49	LB135083
	Manganese	2360	2500	94	90 - 110	P	03/18/2025	14:49	LB135083

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2360	2500	95	90 - 110	P	03/18/2025	14:49	LB135083
	Potassium	23900	25000	96	90 - 110	P	03/18/2025	14:49	LB135083
	Selenium	4900	5000	98	90 - 110	P	03/18/2025	14:49	LB135083
	Silver	1230	1250	99	90 - 110	P	03/18/2025	14:49	LB135083
	Sodium	25100	25000	100	90 - 110	P	03/18/2025	14:49	LB135083
	Thallium	4900	5000	98	90 - 110	P	03/18/2025	14:49	LB135083
	Vanadium	2310	2500	92	90 - 110	P	03/18/2025	14:49	LB135083
	Zinc	2440	2500	98	90 - 110	P	03/18/2025	14:49	LB135083

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.19	0.2	97	40 - 160	CV	03/17/2025	13:37	LB135056
CRI01	Aluminum	106	100	106	40 - 160	P	03/18/2025	10:49	LB135083
	Antimony	53.8	50.0	108	40 - 160	P	03/18/2025	10:49	LB135083
	Arsenic	22.6	20.0	113	40 - 160	P	03/18/2025	10:49	LB135083
	Barium	94.4	100	94	40 - 160	P	03/18/2025	10:49	LB135083
	Beryllium	5.87	6.0	98	40 - 160	P	03/18/2025	10:49	LB135083
	Cadmium	5.91	6.0	98	40 - 160	P	03/18/2025	10:49	LB135083
	Calcium	1960	2000	98	40 - 160	P	03/18/2025	10:49	LB135083
	Chromium	10.8	10.0	108	40 - 160	P	03/18/2025	10:49	LB135083
	Cobalt	29.4	30.0	98	40 - 160	P	03/18/2025	10:49	LB135083
	Copper	22.0	20.0	110	40 - 160	P	03/18/2025	10:49	LB135083
	Iron	114	100	114	40 - 160	P	03/18/2025	10:49	LB135083
	Lead	11.3	12.0	94	40 - 160	P	03/18/2025	10:49	LB135083
	Magnesium	2060	2000	103	40 - 160	P	03/18/2025	10:49	LB135083
	Manganese	18.5	20.0	93	40 - 160	P	03/18/2025	10:49	LB135083
	Nickel	39.3	40.0	98	40 - 160	P	03/18/2025	10:49	LB135083
	Potassium	1840	2000	92	40 - 160	P	03/18/2025	10:49	LB135083
	Selenium	16.6	20.0	83	40 - 160	P	03/18/2025	10:49	LB135083
	Silver	10.7	10.0	107	40 - 160	P	03/18/2025	10:49	LB135083
	Sodium	1950	2000	97	40 - 160	P	03/18/2025	10:49	LB135083
	Thallium	38.4	40.0	96	40 - 160	P	03/18/2025	10:49	LB135083
	Vanadium	37.0	40.0	92	40 - 160	P	03/18/2025	10:49	LB135083
	Zinc	43.1	40.0	108	40 - 160	P	03/18/2025	10:49	LB135083

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	248000	255000	97	216000	294000	03/18/2025	10:54	LB135083
	Antimony	-1.12			-50	50	03/18/2025	10:54	LB135083
	Arsenic	3.99			-20	20	03/18/2025	10:54	LB135083
	Barium	5.93	6.0	99	-94	106	03/18/2025	10:54	LB135083
	Beryllium	1.33			-6	6	03/18/2025	10:54	LB135083
	Cadmium	-4.36	1.0	436	-5	7	03/18/2025	10:54	LB135083
	Calcium	237000	245000	97	208000	282000	03/18/2025	10:54	LB135083
	Chromium	60.3	52.0	116	42	62	03/18/2025	10:54	LB135083
	Cobalt	1.97			-30	30	03/18/2025	10:54	LB135083
	Copper	10.2	2.0	508	-18	22	03/18/2025	10:54	LB135083
	Iron	103000	101000	102	85600	116500	03/18/2025	10:54	LB135083
	Lead	5.17			-12	12	03/18/2025	10:54	LB135083
	Magnesium	250000	255000	98	216000	294000	03/18/2025	10:54	LB135083
	Manganese	1.65	7.0	24	-13	27	03/18/2025	10:54	LB135083
	Nickel	2.16	2.0	108	-38	42	03/18/2025	10:54	LB135083
	Potassium	-104			0	0	03/18/2025	10:54	LB135083
	Selenium	-12.3			-20	20	03/18/2025	10:54	LB135083
	Silver	-0.69			-10	10	03/18/2025	10:54	LB135083
	Sodium	33.1			0	0	03/18/2025	10:54	LB135083
	Thallium	7.73			-40	40	03/18/2025	10:54	LB135083
	Vanadium	2.42			-40	40	03/18/2025	10:54	LB135083
	Zinc	4.66			-40	40	03/18/2025	10:54	LB135083
ICSAB01	Aluminum	236000	247000	96	209000	285000	03/18/2025	11:04	LB135083
	Antimony	600	618	97	525	711	03/18/2025	11:04	LB135083
	Arsenic	106	104	102	88.4	120	03/18/2025	11:04	LB135083
	Barium	452	537	84	437	637	03/18/2025	11:04	LB135083
	Beryllium	473	495	96	420	570	03/18/2025	11:04	LB135083
	Cadmium	955	972	98	826	1120	03/18/2025	11:04	LB135083
	Calcium	223000	235000	95	199000	271000	03/18/2025	11:04	LB135083
	Chromium	555	542	102	460	624	03/18/2025	11:04	LB135083
	Cobalt	486	476	102	404	548	03/18/2025	11:04	LB135083
	Copper	489	511	96	434	588	03/18/2025	11:04	LB135083
	Iron	95600	99300	96	84400	114500	03/18/2025	11:04	LB135083
	Lead	51.9	49.0	106	37	61	03/18/2025	11:04	LB135083
	Magnesium	239000	248000	96	210000	286000	03/18/2025	11:04	LB135083
	Manganese	442	507	87	430	584	03/18/2025	11:04	LB135083
	Nickel	961	954	101	810	1100	03/18/2025	11:04	LB135083
	Potassium	-124			0	0	03/18/2025	11:04	LB135083
	Selenium	34.2	46.0	74	26	66	03/18/2025	11:04	LB135083
	Silver	211	201	105	170	232	03/18/2025	11:04	LB135083
	Sodium	15.0			0	0	03/18/2025	11:04	LB135083
	Thallium	101	108	94	68	148	03/18/2025	11:04	LB135083

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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	446	491	91	417	565	03/18/2025	11:04	LB135083
	Zinc	1040	952	109	809	1095	03/18/2025	11:04	LB135083

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1574

contract: GENV01 **lab code:** CHEM **case no.:** Q1574 **sas no.:** Q1574

matrix: Solid **sample id:** Q1581-01 **client id:** TR-06-031425MS

Percent Solids for Sample: 93.3 **Spiked ID:** Q1581-01MS **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	3930		3770		94.0	168		P
Antimony	mg/Kg	79 - 114	2.35	U	2.26	U	37.6	0	N	P
Arsenic	mg/Kg	82 - 111	37.3		5.02		37.6	86		P
Barium	mg/Kg	83 - 113	29.8		18.4		9.4	122	N	P
Beryllium	mg/Kg	83 - 113	8.04		0.37		9.4	82	N	P
Cadmium	mg/Kg	82 - 113	7.92		0.27	U	9.4	84		P
Calcium	mg/Kg	81 - 116	5340		5160		47.0	383		P
Chromium	mg/Kg	85 - 113	40.7		18.6		18.8	118	N	P
Cobalt	mg/Kg	85 - 112	11.2		2.52		9.4	92		P
Copper	mg/Kg	81 - 117	23.2		13.1		14.1	71	N	P
Iron	mg/Kg	81 - 118	12600		10900		140	1269		P
Lead	mg/Kg	81 - 112	61.4		18.5		47.0	91		P
Magnesium	mg/Kg	78 - 115	3020		2750		94.0	292		P
Manganese	mg/Kg	84 - 114	57.2		43.0		9.4	151		P
Nickel	mg/Kg	83 - 113	25.6		4.32		23.5	91		P
Potassium	mg/Kg	81 - 116	1220		728		470	105		P
Selenium	mg/Kg	78 - 111	73.4		0.90	U	94.0	78		P
Silver	mg/Kg	82 - 112	3.15		0.45	U	3.5	90		P
Sodium	mg/Kg	83 - 118	479		255		140	160	N	P
Thallium	mg/Kg	83 - 111	81.8		1.81	U	94.0	87		P
Vanadium	mg/Kg	82 - 114	29.2		15.5		14.1	97		P
Zinc	mg/Kg	82 - 113	48.1		28.2		9.4	212	N	P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1574

contract: GENV01 **lab code:** CHEM **case no.:** Q1574 **sas no.:** Q1574

matrix: Solid **sample id:** Q1581-01 **client id:** TR-06-031425MSD

Percent Solids for Sample: 93.3 **Spiked ID:** Q1581-01MSD **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	74 - 119	4340		3770		100	575		P
Antimony	mg/Kg	79 - 114	2.60	U	2.26	U	41.6	0	N	P
Arsenic	mg/Kg	82 - 111	41.3		5.02		41.6	87		P
Barium	mg/Kg	83 - 113	32.9		18.4		10.4	139	N	P
Beryllium	mg/Kg	83 - 113	8.73		0.37		10.4	80	N	P
Cadmium	mg/Kg	82 - 113	8.84		0.27	U	10.4	85		P
Calcium	mg/Kg	81 - 116	5900		5160		52.0	1429		P
Chromium	mg/Kg	85 - 113	44.6		18.6		20.8	125	N	P
Cobalt	mg/Kg	85 - 112	12.3		2.52		10.4	94		P
Copper	mg/Kg	81 - 117	25.5		13.1		15.6	80	N	P
Iron	mg/Kg	81 - 118	13600		10900		160	1699		P
Lead	mg/Kg	81 - 112	67.8		18.5		52.0	95		P
Magnesium	mg/Kg	78 - 115	3320		2750		100	572		P
Manganese	mg/Kg	84 - 114	62.6		43.0		10.4	189		P
Nickel	mg/Kg	83 - 113	28.3		4.32		26.0	92		P
Potassium	mg/Kg	81 - 116	1320		728		520	113		P
Selenium	mg/Kg	78 - 111	81.6		0.90	U	100	82		P
Silver	mg/Kg	82 - 112	3.42		0.45	U	3.9	88		P
Sodium	mg/Kg	83 - 118	517		255		160	163	N	P
Thallium	mg/Kg	83 - 111	90.4		1.81	U	100	90		P
Vanadium	mg/Kg	82 - 114	32.3		15.5		15.6	107		P
Zinc	mg/Kg	82 - 113	52.2		28.2		10.4	231	N	P

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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1574

contract: GENV01 **lab code:** CHEM **case no.:** Q1574 **sas no.:** Q1574

matrix: Solid **sample id:** Q1585-01 **client id:** OK-02-03142025MS

Percent Solids for Sample: 97.1 **Spiked ID:** Q1585-01MS **Percent Solids for Spike Sample:** 97.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.26		0.0070	J	0.24	106		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1574

contract: GENV01 **lab code:** CHEM **case no.:** Q1574 **sas no.:** Q1574

matrix: Solid **sample id:** Q1585-01 **client id:** OK-02-03142025MSD

Percent Solids for Sample: 97.1 **Spiked ID:** Q1585-01MSD **Percent Solids for Spike Sample:** 97.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.25		0.0070	J	0.25	95		CV

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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Matrix: Solid **Level:** LOW **Client ID:** TR-06-031425A

Sample ID: Q1581-01 **Spiked ID:** Q1581-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	79 - 114	32.8		2.26	U	36.2	91		P
Barium	mg/Kg	83 - 113	27.2		18.4		9.00	98		P
Beryllium	mg/Kg	83 - 113	7.84		0.37		9.00	83		P
Chromium	mg/Kg	85 - 113	35.0		18.6		18.1	91		P
Copper	mg/Kg	81 - 117	24.8		13.1		13.6	86		P
Sodium	mg/Kg	83 - 118	379		255		140	88		P
Zinc	mg/Kg	82 - 113	37.0		28.2		9.00	97		P

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Matrix: Solid **Sample ID:** Q1581-01 **Client ID:** TR-06-031425DUP

Percent Solids for Sample: 93.3 **Duplicate ID** Q1581-01DUP **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3770		4050		7		P
Antimony	mg/Kg	20	2.26	U	2.41	U			P
Arsenic	mg/Kg	20	5.02		5.37		7		P
Barium	mg/Kg	20	18.4		20.8		12		P
Beryllium	mg/Kg	20	0.37		0.39		5		P
Cadmium	mg/Kg	20	0.27	U	0.29	U			P
Calcium	mg/Kg	20	5160		5520		7		P
Chromium	mg/Kg	20	18.6		20.0		7		P
Cobalt	mg/Kg	20	2.52		2.71		7		P
Copper	mg/Kg	20	13.1		13.8		5		P
Iron	mg/Kg	20	10900		11600		6		P
Lead	mg/Kg	20	18.5		19.9		7		P
Magnesium	mg/Kg	20	2750		2920		6		P
Manganese	mg/Kg	20	43.0		49.2		13		P
Nickel	mg/Kg	20	4.32		4.66		8		P
Potassium	mg/Kg	20	728		776		6		P
Selenium	mg/Kg	20	0.90	U	0.97	U			P
Silver	mg/Kg	20	0.45	U	0.48	U			P
Sodium	mg/Kg	20	255		272		6		P
Thallium	mg/Kg	20	1.81	U	1.93	U			P
Vanadium	mg/Kg	20	15.5		16.6		7		P
Zinc	mg/Kg	20	28.2		31.0		9		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Matrix: Solid **Sample ID:** Q1581-01MS **Client ID:** TR-06-031425MSD

Percent Solids for Sample: 93.3 **Duplicate ID** Q1581-01MSD **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3930		4340		10		P
Antimony	mg/Kg	20	2.35	U	2.60	U			P
Arsenic	mg/Kg	20	37.3		41.3		10		P
Barium	mg/Kg	20	29.8		32.9		10		P
Beryllium	mg/Kg	20	8.04		8.73		8		P
Cadmium	mg/Kg	20	7.92		8.84		11		P
Calcium	mg/Kg	20	5340		5900		10		P
Chromium	mg/Kg	20	40.7		44.6		9		P
Cobalt	mg/Kg	20	11.2		12.3		9		P
Copper	mg/Kg	20	23.2		25.5		9		P
Iron	mg/Kg	20	12600		13600		8		P
Lead	mg/Kg	20	61.4		67.8		10		P
Magnesium	mg/Kg	20	3020		3320		9		P
Manganese	mg/Kg	20	57.2		62.6		9		P
Nickel	mg/Kg	20	25.6		28.3		10		P
Potassium	mg/Kg	20	1220		1320		8		P
Selenium	mg/Kg	20	73.4		81.6		11		P
Silver	mg/Kg	20	3.15		3.42		8		P
Sodium	mg/Kg	20	479		517		8		P
Thallium	mg/Kg	20	81.8		90.4		10		P
Vanadium	mg/Kg	20	29.2		32.3		10		P
Zinc	mg/Kg	20	48.1		52.2		8		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Matrix: Solid **Sample ID:** Q1585-01 **Client ID:** OK-02-03142025DUP

Percent Solids for Sample: 97.1 **Duplicate ID** Q1585-01DUP **Percent Solids for Spike Sample:** 97.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.0070	J	0.013	U	200.0		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Matrix: Solid **Sample ID:** Q1585-01MS **Client ID:** OK-02-03142025MSD

Percent Solids for Sample: 97.1 **Duplicate ID** Q1585-01MSD **Percent Solids for Spike Sample:** 97.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.26		0.25		7		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167145BS							
Aluminum	mg/Kg	83.3	76.7		92	74 - 119	P
Antimony	mg/Kg	33.3	32.4		97	79 - 114	P
Arsenic	mg/Kg	33.3	31.2		94	82 - 111	P
Barium	mg/Kg	8.3	7.34		88	83 - 113	P
Beryllium	mg/Kg	8.3	7.63		92	83 - 113	P
Cadmium	mg/Kg	8.3	7.68		92	82 - 113	P
Calcium	mg/Kg	41.7	37.5	J	90	81 - 116	P
Chromium	mg/Kg	16.7	16.6		99	85 - 113	P
Cobalt	mg/Kg	8.3	7.74		93	85 - 112	P
Copper	mg/Kg	12.5	12.2		98	81 - 117	P
Iron	mg/Kg	130	118		91	81 - 118	P
Lead	mg/Kg	41.7	38.5		92	81 - 112	P
Magnesium	mg/Kg	83.3	74.7	J	90	78 - 115	P
Manganese	mg/Kg	8.3	7.37		89	84 - 114	P
Nickel	mg/Kg	20.8	19.4		93	83 - 113	P
Potassium	mg/Kg	420	374		89	81 - 116	P
Selenium	mg/Kg	83.3	78.6		94	78 - 111	P
Silver	mg/Kg	3.1	3.08		99	82 - 112	P
Sodium	mg/Kg	130	119		92	83 - 118	P
Thallium	mg/Kg	83.3	80.3		96	83 - 111	P
Vanadium	mg/Kg	12.5	11.3		90	82 - 114	P
Zinc	mg/Kg	8.3	8.38		101	82 - 113	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167162BS							
Mercury	mg/Kg	0.26	0.22		86	80 - 124	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

TR-06-031425L

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb135083 **Lab Sample ID :** Q1581-01L **SDG No.:** Q1574

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	3770		3970		5		P
Antimony	2.26	U	11.3	U			P
Arsenic	5.02		5.24		4		P
Barium	18.4		19.8	J	8		P
Beryllium	0.37		0.43	J	17		P
Cadmium	0.27	U	1.36	U			P
Calcium	5160		5550		8		P
Chromium	18.6		19.9		7		P
Cobalt	2.52		2.52	J	0		P
Copper	13.1		14.4		10		P
Iron	10900		11300		4		P
Lead	18.5		18.6		1		P
Magnesium	2750		2950		7		P
Manganese	43.0		51.2		19		P
Nickel	4.32		4.55	J	5		P
Potassium	728		693		5		P
Selenium	0.90	U	4.52	U			P
Silver	0.45	U	2.26	U			P
Sodium	255		248	J	3		P
Thallium	1.81	U	9.04	U			P
Vanadium	15.5		16.4		6		P
Zinc	28.2		29.6		5		P

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ICP SERIAL DILUTIONS

SAMPLE NO.

OK-02-03142025L

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb135056 **Lab Sample ID :** Q1585-01L **SDG No.:** Q1574

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.0070	J	0.061	U	100.0		CV

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

Instrument id number: **Method:** **Run number:** LB135056

Start date: 03/17/2025 **End date:** 03/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1306	HG
S0.2	S0.2	1	1308	HG
S2.5	S2.5	1	1310	HG
S5	S5	1	1312	HG
S7.5	S7.5	1	1320	HG
S10	S10	1	1325	HG
ICV45	ICV45	1	1328	HG
ICB45	ICB45	1	1330	HG
CCV17	CCV17	1	1333	HG
CCB17	CCB17	1	1335	HG
CRA	CRA	1	1337	HG
PB167162BL	PB167162BL	1	1344	HG
PB167162BS	PB167162BS	1	1346	HG
CCV18	CCV18	1	1405	HG
CCB18	CCB18	1	1407	HG
Q1585-01DUP	OK-02-03142025DUP	1	1416	HG
Q1585-01MS	OK-02-03142025MS	1	1419	HG
Q1585-01MSD	OK-02-03142025MSD	1	1421	HG
Q1585-01L	OK-02-03142025L	5	1423	HG
Q1574-01	WC1	50	1437	HG
CCV19	CCV19	1	1440	HG
CCB19	CCB19	1	1442	HG

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

Instrument id number: **Method:** **Run number:** LB135083

Start date: 03/18/2025 **End date:** 03/18/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1011	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1015	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1020	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1024	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1028	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1032	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1036	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1041	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1045	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1049	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1054	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1104	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1109	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1113	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167145BL	PB167145BL	1	1118	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167145BS	PB167145BS	1	1122	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1574-01	WC1	1	1149	Al,As,Ba,Be,Ca,Cd,Co,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V
CCV02	CCV02	1	1208	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1217	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1581-01DUP	TR-06-031425DUP	1	1222	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1581-01L	TR-06-031425L	5	1226	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1581-01MS	TR-06-031425MS	1	1230	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1581-01MSD	TR-06-031425MSD	1	1234	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1581-01A	TR-06-031425A	1	1238	Ba,Be,Cr,Cu,Na,Sb,Zn
CCV03	CCV03	1	1307	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1574-01	WC1	20	1341	Ag,Cr,Cu,Fe,Zn
CCV04	CCV04	1	1407	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1420	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1449	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1453	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q1574	**OrderDate:**	3/14/2025 11:25:00 AM
Client:	G Environmental	**Project:**	Ave L
Contact:	Gary Landis	**Location:**	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1574-01	**WC1**	**SOIL**			**03/12/25**			**03/14/25**
			Mercury	7471B		03/17/25	03/17/25	
			Metals ICP-TAL	6010D		03/14/25	03/18/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1574 **SAS No.:** Q1574

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167145**						
PB167145BL	PB167145BL	MB	SOLID	03/14/2025	2.13	100.0	100.00
PB167145BS	PB167145BS	LCS	SOLID	03/14/2025	2.40	100.0	100.00
Q1574-01	WC1	SAM	SOLID	03/14/2025	2.33	100.0	98.00
Q1581-01DUP	TR-06-031425DUP	DUP	SOLID	03/14/2025	2.22	100.0	93.30
Q1581-01MS	TR-06-031425MS	MS	SOLID	03/14/2025	2.28	100.0	93.30
Q1581-01MSD	TR-06-031425MSD	MSD	SOLID	03/14/2025	2.06	100.0	93.30

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1574 **SAS No.:** Q1574

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167162**						
PB167162BL	PB167162BL	MB	SOLID	03/17/2025	0.55	35.0	100.00
PB167162BS	PB167162BS	LCS	SOLID	03/17/2025	0.53	35.0	100.00
Q1574-01	WC1	SAM	SOLID	03/17/2025	0.56	35.0	98.00
Q1585-01DUP	OK-02-03142025DUP	DUP	SOLID	03/17/2025	0.55	35.0	97.10
Q1585-01MS	OK-02-03142025MS	MS	SOLID	03/17/2025	0.59	35.0	97.10
Q1585-01MSD	OK-02-03142025MSD	MSD	SOLID	03/17/2025	0.58	35.0	97.10

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135056

Review By	Mohan	Review On	3/18/2025 11:05:57 AM
Supervise By	jaswal	Supervise On	3/18/2025 11:30:22 PM

STD. NAME	STD REF.#
ICAL Standard	MP84882,MP84883,MP84884,MP84885,MP84886,MP84887
ICV Standard	MP84889
CCV Standard	MP84891
ICSA Standard	
CRI Standard	MP84893
LCS Standard	
Chk Standard	MP84890,MP84892,MP84894,MP84896

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/17/25 13:06		Mohan	OK
2	S0.2	S0.2	CAL2	03/17/25 13:08		Mohan	OK
3	S2.5	S2.5	CAL3	03/17/25 13:10		Mohan	OK
4	S5	S5	CAL4	03/17/25 13:12		Mohan	OK
5	S7.5	S7.5	CAL5	03/17/25 13:20		Mohan	OK
6	S10	S10	CAL6	03/17/25 13:25		Mohan	OK
7	ICV45	ICV45	ICV	03/17/25 13:28		Mohan	OK
8	ICB45	ICB45	ICB	03/17/25 13:30		Mohan	OK
9	CCV17	CCV17	CCV	03/17/25 13:33		Mohan	OK
10	CCB17	CCB17	CCB	03/17/25 13:35		Mohan	OK
11	CRA	CRA	CRDL	03/17/25 13:37		Mohan	OK
12	HighStd	HighStd	HIGH STD	03/17/25 13:40		Mohan	OK
13	ChkStd	ChkStd	SAM	03/17/25 13:42		Mohan	OK
14	PB167162BL	PB167162BL	MB	03/17/25 13:44		Mohan	OK
15	PB167162BS	PB167162BS	LCS	03/17/25 13:46		Mohan	OK
16	Q1566-01	CTWK-COMP	SAM	03/17/25 13:49		Mohan	OK
17	Q1568-01	JC-03-03132025	SAM	03/17/25 13:51		Mohan	OK
18	Q1569-04	TAP-IDW-SOIL-03132	SAM	03/17/25 13:53		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135056

Review By	Mohan	Review On	3/18/2025 11:05:57 AM
Supervise By	jaswal	Supervise On	3/18/2025 11:30:22 PM

STD. NAME	STD REF.#
ICAL Standard	MP84882,MP84883,MP84884,MP84885,MP84886,MP84887
ICV Standard	MP84889
CCV Standard	MP84891
ICSA Standard	
CRI Standard	MP84893
LCS Standard	
Chk Standard	MP84890,MP84892,MP84894,MP84896

19	Q1574-01	WC1	SAM	03/17/25 13:56	High	Mohan	Dilution
20	Q1581-01	TR-06-031425	SAM	03/17/25 13:57	High	Mohan	Dilution
21	CCV18	CCV18	CCV	03/17/25 14:05		Mohan	OK
22	CCB18	CCB18	CCB	03/17/25 14:07		Mohan	OK
23	Q1585-01	OK-02-03142025	SAM	03/17/25 14:14		Mohan	OK
24	Q1585-01DUP	OK-02-03142025DUP	DUP	03/17/25 14:16		Mohan	OK
25	Q1585-01MS	OK-02-03142025MS	MS	03/17/25 14:19		Mohan	OK
26	Q1585-01MSD	OK-02-03142025MSD	MSD	03/17/25 14:21		Mohan	OK
27	Q1585-01L	OK-02-03142025L	SD	03/17/25 14:23		Mohan	OK
28	Q1585-01A	OK-02-03142025A	PS	03/17/25 14:25		Mohan	OK
29	Q1574-01DL	WC1DL	SAM	03/17/25 14:28	Report 10X,Still high	Mohan	Dilution
30	Q1581-01DL	TR-06-031425DL	SAM	03/17/25 14:30	Report 10X	Mohan	Confirms
31	Q1574-01DL2	WC1DL2	SAM	03/17/25 14:37	Report 50X	Mohan	Confirms
32	CCV19	CCV19	CCV	03/17/25 14:40		Mohan	OK
33	CCB19	CCB19	CCB	03/17/25 14:42		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/18/25 10:11		Kareem	OK
2	S1	S1	CAL2	03/18/25 10:15		Kareem	OK
3	S2	S2	CAL3	03/18/25 10:20		Kareem	OK
4	S3	S3	CAL4	03/18/25 10:24		Kareem	OK
5	S4	S4	CAL5	03/18/25 10:28		Kareem	OK
6	S5	S5	CAL6	03/18/25 10:32		Kareem	OK
7	ICV01	ICV01	ICV	03/18/25 10:36	ICV01 Fail for Be,Tl (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/18/25 10:41		Kareem	OK
9	ICB01	ICB01	ICB	03/18/25 10:45		Kareem	OK
10	CRI01	CRI01	CRDL	03/18/25 10:49		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/18/25 10:54		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/18/25 11:04		Kareem	OK
13	CCV01	CCV01	CCV	03/18/25 11:09		Kareem	OK
14	CCB01	CCB01	CCB	03/18/25 11:13		Kareem	OK
15	PB167145BL	PB167145BL	MB	03/18/25 11:18		Kareem	OK
16	PB167145BS	PB167145BS	LCS	03/18/25 11:22	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
17	PB167150BL	PB167150BL	MB	03/18/25 11:27		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135083

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Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

18	PB167150BS	PB167150BS	LCS	03/18/25 11:32	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
19	Q1569-05	TAP-IDW-SOIL-03132	SAM	03/18/25 11:36	Need to Confirm TCLP	Kareem	OK
20	Q1569-02	TAP-IDW-SOIL-03132	SAM	03/18/25 11:40		Kareem	OK
21	Q1574-02	WC1	SAM	03/18/25 11:45		Kareem	OK
22	Q1574-01	WC1	SAM	03/18/25 11:49	Cr,Cu,Fe,Zn High & Ag (Oversaturated)	Kareem	Dilution
23	Q1569-04	TAP-IDW-SOIL-03132	SAM	03/18/25 11:54		Kareem	OK
24	Q1581-01	TR-06-031425	SAM	03/18/25 11:58		Kareem	OK
25	CCV02	CCV02	CCV	03/18/25 12:08		Kareem	OK
26	CCB02	CCB02	CCB	03/18/25 12:17		Kareem	OK
27	Q1581-01DUP	TR-06-031425DUP	DUP	03/18/25 12:22		Kareem	OK
28	Q1581-01L	TR-06-031425L	SD	03/18/25 12:26		Kareem	OK
29	Q1581-01MS	TR-06-031425MS	MS	03/18/25 12:30	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
30	Q1581-01MSD	TR-06-031425MSD	MSD	03/18/25 12:34	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
31	Q1581-01A	TR-06-031425A	PS	03/18/25 12:38	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
32	Q1585-01	OK-02-03142025	SAM	03/18/25 12:42		Kareem	OK
33	Q1585-01DUP	OK-02-03142025DUP	DUP	03/18/25 12:46		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

34	Q1585-01L	OK-02-03142025L	SD	03/18/25 12:50		Kareem	OK
35	Q1585-01MS	OK-02-03142025MS	MS	03/18/25 12:55	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
36	Q1585-01MSD	OK-02-03142025MSD	MSD	03/18/25 12:59	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
37	CCV03	CCV03	CCV	03/18/25 13:07		Kareem	OK
38	CCB03	CCB03	CCB	03/18/25 13:13		Kareem	OK
39	Q1585-01A	OK-02-03142025A	PS	03/18/25 13:17	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
40	Q1574-02L	WC1L	SD	03/18/25 13:32	NOT USE	Kareem	Not Ok
41	Q1574-01DL	WC1DL	SAM	03/18/25 13:41	20X for Cr,Cu,Fe,Ag,Zn	Kareem	Confirms
42	LR1	LR1	HIGH STD	03/18/25 13:45		Kareem	OK
43	LR2	LR2	HIGH STD	03/18/25 13:50		Kareem	OK
44	Q1590-02	20071	SAM	03/18/25 13:54		Kareem	OK
45	Q1590-02DUP	20071DUP	DUP	03/18/25 13:58		Kareem	OK
46	Q1590-02L	20071L	SD	03/18/25 14:03		Kareem	OK
47	CCV04	CCV04	CCV	03/18/25 14:07		Kareem	OK
48	CCB04	CCB04	CCB	03/18/25 14:20		Kareem	OK
49	Q1590-02MS	20071MS	MS	03/18/25 14:24	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

50	Q1590-02MSD	20071MSD	MSD	03/18/25 14:28	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
51	Q1590-02A	20071A	PS	03/18/25 14:32	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
52	Q1592-01	OILY-DEBRIS-COMP	SAM	03/18/25 14:37	% Solids Missing	Kareem	OK
53	PB167179BL	PB167179BL	MB	03/18/25 14:41		Kareem	OK
54	PB167179BS	PB167179BS	LCS	03/18/25 14:45	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
55	CCV05	CCV05	CCV	03/18/25 14:49		Kareem	OK
56	CCB05	CCB05	CCB	03/18/25 14:53		Kareem	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167145

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 03/14/2025 **Time :** 15:20 **Temp :** 96 °C

End Digest Date: 03/14/2025 **Time :** 17:25 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: SKS.

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6003
LFS-2	1.00	M6011
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	10.00	MP84041
Conc. HNO3	5.00	M6158
30% H2O2	3.00	M6125
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5585
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 2 CELL 35 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/14/25 18:25	SKS. met-dig.	Metals Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB167145

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB167145BL	PBS145	N/A	2.13	100	Brown	Yellow	Medium	N/A	N/A	1
PB167145BS	LCS145	N/A	2.40	100	Brown	Yellow	Medium	N/A	M6003,M6011	2
Q1569-04	TAP-IDW-SOIL-031325-02	N/A	2.17	100	Brown	Yellow	Medium	N/A	N/A	3
Q1574-01	WC1	N/A	2.33	100	Brown	Yellow	Medium	N/A	N/A	4
Q1581-01	TR-06-031425	N/A	2.37	100	Brown	Yellow	Medium	N/A	N/A	5
Q1581-01MS	TR-06-031425MS	N/A	2.28	100	Brown	Yellow	Medium	N/A	M6003,M6011	7
Q1581-01MSD	TR-06-031425MSD	N/A	2.06	100	Brown	Yellow	Medium	N/A	M6003,M6011	8
Q1581-01DUP	TR-06-031425DUP	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	6

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167162

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pippete ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 03/17/2025 **Time :** 09:45 **Temp :** 95 °C

End Digest Date: 03/17/2025 **Time :** 10:15 **Temp :** 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: MB

Supervisor Signature: MB

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84889
CCV	30mL	MP854891
CRA	30mL	MP84893
Blank Spike	0.48mL	M;84881
Matrix Spike	0.48mL	MP84881

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP84894
KMnO4 (5%)	4.5mL	MP84564
Hydroxylamine HCL (12%)	2.0mL	MP84566
PTFE Boiling Stones	----------	M4583
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP84882
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84883
2.5 ppb	S2.5	30mL	MP84884
5.0 ppb	S5.0	30mL	MP84885
7.5 ppb	S7.5	30mL	MP84886
10.0 ppb	S10.0	30mL	MP84887
ICV	ICV	30mL	MP84889
ICB	ICB	30mL	MP84890
CCV	CCV	30mL	MP84891
CCB	CCB	30mL	MP84892
CRI	CRI	30mL	MP84893
CHK STD	CHK STD	30mL	MP84894

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/17/25 @ 10:40	MB - Dig. Lab	MB - metal lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB167162

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB167162BL	PBS162	0.55	35	NA	N/A	3-1
PB167162BS	LCS162	0.53	35	NA	MP84881	2
Q1566-01	CTWK-COMP	0.52	35	NA	N/A	3
Q1568-01	JC-03-03132025	0.58	35	NA	N/A	4
Q1569-04	TAP-IDW-SOIL-031325-02	0.60	35	NA	N/A	5
Q1574-01	WC1	0.56	35	NA	N/A	6
Q1581-01	TR-06-031425	0.56	35	NA	N/A	7
Q1585-01	OK-02-03142025	0.59	35	NA	N/A	8
Q1585-01DUP	OK-02-03142025DUP	0.55	35	NA	N/A	9
Q1585-01MS	OK-02-03142025MS	0.59	35	NA	MP84881	10
Q1585-01MSD	OK-02-03142025MSD	0.58	35	NA	MP84881	11

Alliance TECHNICAL GROUP
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Hit Summary Sheet
SW-846

SDG No.: Q1574 **Order ID:** Q1574

Client: G Environmental **Project ID:** Ave L

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q1574-02	WC1	TCLP	Arsenic	58.2	J	34.8	100	ug/L
Q1574-02	WC1	TCLP	Barium	1180		62.8	500	ug/L
Q1574-02	WC1	TCLP	Cadmium	176		0.94	30.0	ug/L
Q1574-02	WC1	TCLP	Chromium	10.8	J	6.60	50.0	ug/L
Q1574-02	WC1	TCLP	Lead	4690		35.1	60.0	ug/L
Q1574-02	WC1	TCLP	Mercury	5.22		0.76	2.00	ug/L

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	58.2	J	1	34.8	100	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7440-39-3	Barium	1180		1	62.8	500	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7440-43-9	Cadmium	176		1	0.94	30.0	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7440-47-3	Chromium	10.8	J	1	6.60	50.0	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7439-92-1	Lead	4690		1	35.1	60.0	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7439-97-6	Mercury	5.22		1	0.76	2.00	ug/L	03/17/25 10:35	03/18/25 10:45	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	03/17/25 12:05	03/18/25 11:45	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP METALS				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB46	Mercury	0.20	+/-0.20	U	0.20	CV	03/18/2025	09:57	LB135064

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB20	Mercury	0.20	+/-0.20	U	0.20	CV	03/18/2025	10:04	LB135064
CCB21	Mercury	0.20	+/-0.20	U	0.20	CV	03/18/2025	10:41	LB135064
CCB22	Mercury	0.20	+/-0.20	U	0.20	CV	03/18/2025	10:59	LB135064

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	14:43	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	14:43	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	14:43	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	14:43	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	14:43	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	14:43	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	14:43	LB135063

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	15:27	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	15:27	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	15:27	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	15:27	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	15:27	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	15:27	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	15:27	LB135063
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	16:17	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	16:17	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	16:17	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	16:17	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	16:17	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	16:17	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	16:17	LB135063
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	17:09	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	17:09	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	17:09	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	17:09	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	17:09	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	17:09	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	17:09	LB135063
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	17:55	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	17:55	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	17:55	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	17:55	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	17:55	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	17:55	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	17:55	LB135063
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	03/17/2025	18:22	LB135063
	Barium	100	+/-100	U	100	P	03/17/2025	18:22	LB135063
	Cadmium	6.00	+/-6.00	U	6.00	P	03/17/2025	18:22	LB135063
	Chromium	10.0	+/-10.0	U	10.0	P	03/17/2025	18:22	LB135063
	Lead	12.0	+/-12.0	U	12.0	P	03/17/2025	18:22	LB135063
	Selenium	20.0	+/-20.0	U	20.0	P	03/17/2025	18:22	LB135063
	Silver	10.0	+/-10.0	U	10.0	P	03/17/2025	18:22	LB135063

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	10:45	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	10:45	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	10:45	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	10:45	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	10:45	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	10:45	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	10:45	LB135083

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	11:13	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	11:13	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	11:13	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	11:13	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	11:13	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	11:13	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	11:13	LB135083
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	12:17	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	12:17	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	12:17	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	12:17	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	12:17	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	12:17	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	12:17	LB135083
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	13:13	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	13:13	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	13:13	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	13:13	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	13:13	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	13:13	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	13:13	LB135083
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	14:20	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	14:20	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	14:20	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	14:20	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	14:20	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	14:20	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	14:20	LB135083
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	03/18/2025	14:53	LB135083
	Barium	100	+/-100	U	100	P	03/18/2025	14:53	LB135083
	Cadmium	6.00	+/-6.00	U	6.00	P	03/18/2025	14:53	LB135083
	Chromium	10.0	+/-10.0	U	10.0	P	03/18/2025	14:53	LB135083
	Lead	12.0	+/-12.0	U	12.0	P	03/18/2025	14:53	LB135083
	Selenium	20.0	+/-20.0	U	20.0	P	03/18/2025	14:53	LB135083
	Silver	10.0	+/-10.0	U	10.0	P	03/18/2025	14:53	LB135083

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Metals
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PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167133TB		**WATER**		**Batch Number:**	**PB167166**		**Prep Date:**	**03/17/2025**	
	Mercury	2.00	<2.00	U	2.00	CV	03/18/2025	10:48	LB135064

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167166BL		**WATER**		**Batch Number:**	**PB167166**		**Prep Date:**	**03/17/2025**	
	Mercury	0.20	<0.20	U	0.20	CV	03/18/2025	10:16	LB135064

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q1574

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167133TB		**WATER**		**Batch Number:**	**PB167161**		**Prep Date:**	**03/17/2025**	
	Arsenic	100	<100	U	100	P	03/17/2025	16:56	LB135063
	Barium	500	<500	U	500	P	03/17/2025	16:56	LB135063
	Cadmium	30.0	<30.0	U	30.0	P	03/17/2025	16:56	LB135063
	Chromium	50.0	<50.0	U	50.0	P	03/17/2025	16:56	LB135063
	Lead	60.0	<60.0	U	60.0	P	03/17/2025	16:56	LB135063
	Selenium	100	<100	U	100	P	03/17/2025	16:56	LB135063
	Silver	50.0	<50.0	U	50.0	P	03/17/2025	16:56	LB135063

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167161BL		**WATER**		**Batch Number:**	**PB167161**		**Prep Date:**	**03/17/2025**	
	Arsenic	100	<100	U	100	P	03/17/2025	17:00	LB135063
	Barium	500	<500	U	500	P	03/17/2025	17:00	LB135063
	Cadmium	30.0	<30.0	U	30.0	P	03/17/2025	17:00	LB135063
	Chromium	50.0	<50.0	U	50.0	P	03/17/2025	17:00	LB135063
	Lead	60.0	<60.0	U	60.0	P	03/17/2025	17:00	LB135063
	Selenium	100	<100	U	100	P	03/17/2025	17:00	LB135063
	Silver	50.0	<50.0	U	50.0	P	03/17/2025	17:00	LB135063

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV46	Mercury	3.94	4.0	99	90 - 110	CV	03/18/2025	09:55	LB135064

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV20	Mercury	5.37	5.0	107	90 - 110	CV	03/18/2025	09:59	LB135064
CCV21	Mercury	4.87	5.0	97	90 - 110	CV	03/18/2025	10:35	LB135064
CCV22	Mercury	5.12	5.0	102	90 - 110	CV	03/18/2025	10:54	LB135064

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	1020	1000	102	90 - 110	P	03/17/2025	14:31	LB135063
	Barium	533	520	102	90 - 110	P	03/17/2025	14:31	LB135063
	Cadmium	504	510	99	90 - 110	P	03/17/2025	14:31	LB135063
	Chromium	529	520	102	90 - 110	P	03/17/2025	14:31	LB135063
	Lead	996	1000	100	90 - 110	P	03/17/2025	14:31	LB135063
	Selenium	1050	1000	105	90 - 110	P	03/17/2025	14:31	LB135063
	Silver	257	250	103	90 - 110	P	03/17/2025	14:31	LB135063

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	19.4	20.0	97	80 - 120	P	03/17/2025	14:38	LB135063
	Barium	93.6	100	94	80 - 120	P	03/17/2025	14:38	LB135063
	Cadmium	5.89	6.0	98	80 - 120	P	03/17/2025	14:38	LB135063
	Chromium	10.3	10.0	103	80 - 120	P	03/17/2025	14:38	LB135063
	Lead	12.3	12.0	103	80 - 120	P	03/17/2025	14:38	LB135063
	Selenium	18.2	20.0	91	80 - 120	P	03/17/2025	14:38	LB135063
	Silver	10.5	10.0	105	80 - 120	P	03/17/2025	14:38	LB135063

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5160	5000	103	90 - 110	P	03/17/2025	15:15	LB135063
	Barium	9740	10000	97	90 - 110	P	03/17/2025	15:15	LB135063
	Cadmium	2510	2500	100	90 - 110	P	03/17/2025	15:15	LB135063
	Chromium	1030	1000	103	90 - 110	P	03/17/2025	15:15	LB135063
	Lead	5080	5000	102	90 - 110	P	03/17/2025	15:15	LB135063
	Selenium	5080	5000	102	90 - 110	P	03/17/2025	15:15	LB135063
	Silver	1310	1250	104	90 - 110	P	03/17/2025	15:15	LB135063
CCV02	Arsenic	5220	5000	104	90 - 110	P	03/17/2025	16:13	LB135063
	Barium	9760	10000	98	90 - 110	P	03/17/2025	16:13	LB135063
	Cadmium	2500	2500	100	90 - 110	P	03/17/2025	16:13	LB135063
	Chromium	1040	1000	104	90 - 110	P	03/17/2025	16:13	LB135063
	Lead	5070	5000	101	90 - 110	P	03/17/2025	16:13	LB135063
	Selenium	5140	5000	103	90 - 110	P	03/17/2025	16:13	LB135063
	Silver	1290	1250	103	90 - 110	P	03/17/2025	16:13	LB135063
CCV03	Arsenic	5320	5000	106	90 - 110	P	03/17/2025	17:05	LB135063
	Barium	9780	10000	98	90 - 110	P	03/17/2025	17:05	LB135063
	Cadmium	2570	2500	103	90 - 110	P	03/17/2025	17:05	LB135063
	Chromium	1090	1000	109	90 - 110	P	03/17/2025	17:05	LB135063
	Lead	5200	5000	104	90 - 110	P	03/17/2025	17:05	LB135063
	Selenium	5220	5000	104	90 - 110	P	03/17/2025	17:05	LB135063
	Silver	1330	1250	106	90 - 110	P	03/17/2025	17:05	LB135063
CCV04	Arsenic	5020	5000	100	90 - 110	P	03/17/2025	17:51	LB135063
	Barium	9270	10000	93	90 - 110	P	03/17/2025	17:51	LB135063
	Cadmium	2390	2500	96	90 - 110	P	03/17/2025	17:51	LB135063
	Chromium	1010	1000	101	90 - 110	P	03/17/2025	17:51	LB135063
	Lead	4870	5000	97	90 - 110	P	03/17/2025	17:51	LB135063
	Selenium	4900	5000	98	90 - 110	P	03/17/2025	17:51	LB135063
	Silver	1240	1250	100	90 - 110	P	03/17/2025	17:51	LB135063
CCV05	Arsenic	5050	5000	101	90 - 110	P	03/17/2025	18:18	LB135063
	Barium	9500	10000	95	90 - 110	P	03/17/2025	18:18	LB135063
	Cadmium	2390	2500	96	90 - 110	P	03/17/2025	18:18	LB135063
	Chromium	1020	1000	102	90 - 110	P	03/17/2025	18:18	LB135063
	Lead	4870	5000	97	90 - 110	P	03/17/2025	18:18	LB135063
	Selenium	4960	5000	99	90 - 110	P	03/17/2025	18:18	LB135063

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1260	1250	101	90 - 110	P	03/17/2025	18:18	LB135063

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	1020	1000	102	90 - 110	P	03/18/2025	10:36	LB135083
	Barium	540	520	104	90 - 110	P	03/18/2025	10:36	LB135083
	Cadmium	510	510	100	90 - 110	P	03/18/2025	10:36	LB135083
	Chromium	537	520	103	90 - 110	P	03/18/2025	10:36	LB135083
	Lead	1010	1000	101	90 - 110	P	03/18/2025	10:36	LB135083
	Selenium	1050	1000	105	90 - 110	P	03/18/2025	10:36	LB135083
	Silver	260	250	104	90 - 110	P	03/18/2025	10:36	LB135083

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	21.9	20.0	110	80 - 120	P	03/18/2025	10:41	LB135083
	Barium	95.4	100	95	80 - 120	P	03/18/2025	10:41	LB135083
	Cadmium	5.91	6.0	98	80 - 120	P	03/18/2025	10:41	LB135083
	Chromium	10.9	10.0	109	80 - 120	P	03/18/2025	10:41	LB135083
	Lead	10.9	12.0	91	80 - 120	P	03/18/2025	10:41	LB135083
	Selenium	18.4	20.0	92	80 - 120	P	03/18/2025	10:41	LB135083
	Silver	10.1	10.0	101	80 - 120	P	03/18/2025	10:41	LB135083

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5040	5000	101	90 - 110	P	03/18/2025	11:09	LB135083
	Barium	9530	10000	95	90 - 110	P	03/18/2025	11:09	LB135083
	Cadmium	2470	2500	99	90 - 110	P	03/18/2025	11:09	LB135083
	Chromium	1020	1000	102	90 - 110	P	03/18/2025	11:09	LB135083
	Lead	4990	5000	100	90 - 110	P	03/18/2025	11:09	LB135083
	Selenium	5040	5000	101	90 - 110	P	03/18/2025	11:09	LB135083
	Silver	1260	1250	101	90 - 110	P	03/18/2025	11:09	LB135083
CCV02	Arsenic	4890	5000	98	90 - 110	P	03/18/2025	12:08	LB135083
	Barium	9170	10000	92	90 - 110	P	03/18/2025	12:08	LB135083
	Cadmium	2410	2500	96	90 - 110	P	03/18/2025	12:08	LB135083
	Chromium	1020	1000	102	90 - 110	P	03/18/2025	12:08	LB135083
	Lead	4880	5000	98	90 - 110	P	03/18/2025	12:08	LB135083
	Selenium	4860	5000	97	90 - 110	P	03/18/2025	12:08	LB135083
	Silver	1240	1250	99	90 - 110	P	03/18/2025	12:08	LB135083
CCV03	Arsenic	4920	5000	98	90 - 110	P	03/18/2025	13:07	LB135083
	Barium	9800	10000	98	90 - 110	P	03/18/2025	13:07	LB135083
	Cadmium	2400	2500	96	90 - 110	P	03/18/2025	13:07	LB135083
	Chromium	1020	1000	102	90 - 110	P	03/18/2025	13:07	LB135083
	Lead	4850	5000	97	90 - 110	P	03/18/2025	13:07	LB135083
	Selenium	4910	5000	98	90 - 110	P	03/18/2025	13:07	LB135083
	Silver	1240	1250	99	90 - 110	P	03/18/2025	13:07	LB135083
CCV04	Arsenic	4770	5000	95	90 - 110	P	03/18/2025	14:07	LB135083
	Barium	9510	10000	95	90 - 110	P	03/18/2025	14:07	LB135083
	Cadmium	2310	2500	92	90 - 110	P	03/18/2025	14:07	LB135083
	Chromium	981	1000	98	90 - 110	P	03/18/2025	14:07	LB135083
	Lead	4660	5000	93	90 - 110	P	03/18/2025	14:07	LB135083
	Selenium	4760	5000	95	90 - 110	P	03/18/2025	14:07	LB135083
	Silver	1190	1250	95	90 - 110	P	03/18/2025	14:07	LB135083
CCV05	Arsenic	4920	5000	98	90 - 110	P	03/18/2025	14:49	LB135083
	Barium	10800	10000	108	90 - 110	P	03/18/2025	14:49	LB135083
	Cadmium	2370	2500	95	90 - 110	P	03/18/2025	14:49	LB135083
	Chromium	1000	1000	100	90 - 110	P	03/18/2025	14:49	LB135083
	Lead	4790	5000	96	90 - 110	P	03/18/2025	14:49	LB135083
	Selenium	4900	5000	98	90 - 110	P	03/18/2025	14:49	LB135083

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1230	1250	99	90 - 110	P	03/18/2025	14:49	LB135083

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Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	19.6	20.0	98	40 - 160	P	03/17/2025	14:47	LB135063
	Barium	92.8	100	93	40 - 160	P	03/17/2025	14:47	LB135063
	Cadmium	5.88	6.0	98	40 - 160	P	03/17/2025	14:47	LB135063
	Chromium	10.3	10.0	103	40 - 160	P	03/17/2025	14:47	LB135063
	Lead	12.6	12.0	105	40 - 160	P	03/17/2025	14:47	LB135063
	Selenium	18.9	20.0	94	40 - 160	P	03/17/2025	14:47	LB135063
	Silver	10.3	10.0	103	40 - 160	P	03/17/2025	14:47	LB135063
CRA	Mercury	0.16	0.2	81	40 - 160	CV	03/18/2025	10:06	LB135064
CRI01	Arsenic	22.6	20.0	113	40 - 160	P	03/18/2025	10:49	LB135083
	Barium	94.4	100	94	40 - 160	P	03/18/2025	10:49	LB135083
	Cadmium	5.91	6.0	98	40 - 160	P	03/18/2025	10:49	LB135083
	Chromium	10.8	10.0	108	40 - 160	P	03/18/2025	10:49	LB135083
	Lead	11.3	12.0	94	40 - 160	P	03/18/2025	10:49	LB135083
	Selenium	16.6	20.0	83	40 - 160	P	03/18/2025	10:49	LB135083
	Silver	10.7	10.0	107	40 - 160	P	03/18/2025	10:49	LB135083

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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	4.68			-20	20	03/17/2025	14:51	LB135063
	Barium	3.10	6.0	52	-94	106	03/17/2025	14:51	LB135063
	Cadmium	-4.02	1.0	402	-5	7	03/17/2025	14:51	LB135063
	Chromium	60.2	52.0	116	42	62	03/17/2025	14:51	LB135063
	Lead	7.22			-12	12	03/17/2025	14:51	LB135063
	Selenium	-0.91			-20	20	03/17/2025	14:51	LB135063
	Silver	-2.37			-10	10	03/17/2025	14:51	LB135063
ICSAB01	Arsenic	95.9	104	92	88.4	120	03/17/2025	15:02	LB135063
	Barium	491	537	91	437	637	03/17/2025	15:02	LB135063
	Cadmium	1030	972	106	826	1120	03/17/2025	15:02	LB135063
	Chromium	588	542	108	460	624	03/17/2025	15:02	LB135063
	Lead	58.7	49.0	120	37	61	03/17/2025	15:02	LB135063
	Selenium	57.1	46.0	124	26	66	03/17/2025	15:02	LB135063
	Silver	224	201	111	170	232	03/17/2025	15:02	LB135063
ICSA01	Arsenic	3.99			-20	20	03/18/2025	10:54	LB135083
	Barium	5.93	6.0	99	-94	106	03/18/2025	10:54	LB135083
	Cadmium	-4.36	1.0	436	-5	7	03/18/2025	10:54	LB135083
	Chromium	60.3	52.0	116	42	62	03/18/2025	10:54	LB135083
	Lead	5.17			-12	12	03/18/2025	10:54	LB135083
	Selenium	-12.3			-20	20	03/18/2025	10:54	LB135083
	Silver	-0.69			-10	10	03/18/2025	10:54	LB135083
ICSAB01	Arsenic	106	104	102	88.4	120	03/18/2025	11:04	LB135083
	Barium	452	537	84	437	637	03/18/2025	11:04	LB135083
	Cadmium	955	972	98	826	1120	03/18/2025	11:04	LB135083
	Chromium	555	542	102	460	624	03/18/2025	11:04	LB135083
	Lead	51.9	49.0	106	37	61	03/18/2025	11:04	LB135083
	Selenium	34.2	46.0	74	26	66	03/18/2025	11:04	LB135083
	Silver	211	201	105	170	232	03/18/2025	11:04	LB135083

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1574

contract: GENV01 **lab code:** CHEM **case no.:** Q1574 **sas no.:** Q1574

matrix: Water **sample id:** Q1568-04 **client id:** JC-03-03132025MS

Percent Solids for Sample: NA **Spiked ID:** Q1568-04MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4220		100	U	4000	106		P
Barium	ug/L	75 - 125	2690		1710		1000	98		P
Cadmium	ug/L	75 - 125	1000		2.07	J	1000	100		P
Chromium	ug/L	75 - 125	2130		50.0	U	2000	106		P
Lead	ug/L	75 - 125	4920		70.8		5000	97		P
Mercury	ug/L	82 - 119	39.4		2.00	U	40.0	98		CV
Selenium	ug/L	75 - 125	10200		100	U	10000	102		P
Silver	ug/L	75 - 125	396		50.0	U	380	104		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q1574

contract: GENV01 **lab code:** CHEM **case no.:** Q1574 **sas no.:** Q1574

matrix: Water **sample id:** Q1568-04 **client id:** JC-03-03132025MSD

Percent Solids for Sample: NA **Spiked ID:** Q1568-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4250		100	U	4000	106		P
Barium	ug/L	75 - 125	2680		1710		1000	97		P
Cadmium	ug/L	75 - 125	1010		2.07	J	1000	101		P
Chromium	ug/L	75 - 125	2150		50.0	U	2000	108		P
Lead	ug/L	75 - 125	4950		70.8		5000	98		P
Mercury	ug/L	82 - 119	38.9		2.00	U	40.0	97		CV
Selenium	ug/L	75 - 125	10300		100	U	10000	103		P
Silver	ug/L	75 - 125	400		50.0	U	380	105		P

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Metals
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Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Matrix: Water **Sample ID:** Q1568-04 **Client ID:** JC-03-03132025DUP

Percent Solids for Sample: NA **Duplicate ID** Q1568-04DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	1710		1720		1		P
Cadmium	ug/L	20	2.07	J	2.25	J	8		P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	70.8		66.6		6		P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Matrix: Water **Sample ID:** Q1568-04MS **Client ID:** JC-03-03132025MSD

Percent Solids for Sample: NA **Duplicate ID** Q1568-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4220		4250		1		P
Barium	ug/L	20	2690		2680		0		P
Cadmium	ug/L	20	1000		1010		1		P
Chromium	ug/L	20	2130		2150		1		P
Lead	ug/L	20	4920		4950		1		P
Mercury	ug/L	20	39.4		38.9		1		CV
Selenium	ug/L	20	10200		10300		1		P
Silver	ug/L	20	396		400		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167161BS							
Arsenic	ug/L	4000	3850		96	80 - 120	P
Barium	ug/L	1000	869		87	80 - 120	P
Cadmium	ug/L	1000	933		93	80 - 120	P
Chromium	ug/L	2000	2010		100	80 - 120	P
Lead	ug/L	5000	4670		93	80 - 120	P
Selenium	ug/L	10000	9550		96	80 - 120	P
Silver	ug/L	380	376		99	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167166BS							
Mercury	ug/L	4.0	4.60		115	82 - 119	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

JC-03-03132025L

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb135063 **Lab Sample ID :** Q1568-04L **SDG No.:** Q1574

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	1710		1710	J	0		P
Cadmium	2.07	J	150	U	100.0		P
Chromium	50.0	U	250	U			P
Lead	70.8		300	U	100.0		P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

Instrument id number: **Method:** **Run number:** LB135063

Start date: 03/17/2025 **End date:** 03/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1405	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1409	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1414	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1418	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1422	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1427	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1431	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1438	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1443	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1447	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1451	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1502	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1515	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1527	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1613	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1617	Ag,As,Ba,Cd,Cr,Pb,Se
Q1568-04DUP	JC-03-03132025DUP	1	1635	Ag,As,Ba,Cd,Cr,Pb,Se
Q1568-04L	JC-03-03132025L	5	1639	Ag,As,Ba,Cd,Cr,Pb,Se
Q1568-04MS	JC-03-03132025MS	1	1643	Ag,As,Ba,Cd,Cr,Pb,Se
Q1568-04MSD	JC-03-03132025MSD	1	1647	Ag,As,Ba,Cd,Cr,Pb,Se
PB167133TB	PB167133TB	1	1656	Ag,As,Ba,Cd,Cr,Pb,Se
PB167161BL	PB167161BL	1	1700	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1705	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1709	Ag,As,Ba,Cd,Cr,Pb,Se
PB167161BS	PB167161BS	1	1713	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1751	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1755	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1818	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1822	Ag,As,Ba,Cd,Cr,Pb,Se

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

Instrument id number: **Method:** **Run number:** LB135064

Start date: 03/18/2025 **End date:** 03/18/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0934	HG
S0.2	S0.2	1	0936	HG
S2.5	S2.5	1	0939	HG
S5	S5	1	0941	HG
S7.5	S7.5	1	0949	HG
S10	S10	1	0952	HG
ICV46	ICV46	1	0955	HG
ICB46	ICB46	1	0957	HG
CCV20	CCV20	1	0959	HG
CCB20	CCB20	1	1004	HG
CRA	CRA	1	1006	HG
PB167166BL	PB167166BL	1	1016	HG
PB167166BS	PB167166BS	1	1018	HG
Q1568-04DUP	JC-03-03132025DUP	1	1023	HG
Q1568-04MS	JC-03-03132025MS	1	1025	HG
Q1568-04MSD	JC-03-03132025MSD	1	1027	HG
CCV21	CCV21	1	1035	HG
CCB21	CCB21	1	1041	HG
Q1574-02	WC1	1	1045	HG
PB167133TB	PB167133TB	1	1048	HG
Q1568-04L	JC-03-03132025L	5	1050	HG
CCV22	CCV22	1	1054	HG
CCB22	CCB22	1	1059	HG

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q1574 **Sas no.:** Q1574 **Sdg no.:** Q1574

Instrument id number: **Method:** **Run number:** LB135083

Start date: 03/18/2025 **End date:** 03/18/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1011	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1015	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1020	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1024	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1028	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1032	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1036	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1041	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1045	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1049	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1054	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1104	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1109	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1113	Ag,As,Ba,Cd,Cr,Pb,Se
Q1574-02	WC1	1	1145	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1208	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1217	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1307	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1313	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1407	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1420	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1449	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1453	Ag,As,Ba,Cd,Cr,Pb,Se

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q1574 **SAS No.:** Q1574

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q1574	**OrderDate:**	3/14/2025 11:25:00 AM
Client:	G Environmental	**Project:**	Ave L
Contact:	Gary Landis	**Location:**	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1574-01	**WC1**	**SOIL**			**03/12/25**			**03/14/25**
			Mercury	7471B		03/17/25	03/17/25	
			Metals ICP-TAL	6010D		03/14/25	03/18/25	
Q1574-02	**WC1**	**TCLP**			**03/12/25**			**03/14/25**
			TCLP ICP Metals	6010D		03/17/25	03/18/25	
			TCLP Mercury	7470A		03/17/25	03/18/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1574 **SAS No.:** Q1574

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167161**						
PB167133TB	PB167133TB	MB	WATER	03/17/2025	5.0	25.0	
PB167161BL	PB167161BL	MB	WATER	03/17/2025	5.0	25.0	
PB167161BS	PB167161BS	LCS	WATER	03/17/2025	5.0	25.0	
Q1568-04DUP	JC-03-03132025DUP	DUP	WATER	03/17/2025	5.0	25.0	
Q1568-04MS	JC-03-03132025MS	MS	WATER	03/17/2025	5.0	25.0	
Q1568-04MSD	JC-03-03132025MSD	MSD	WATER	03/17/2025	5.0	25.0	
Q1574-02	WC1	SAM	WATER	03/17/2025	5.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q1574

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q1574 **SAS No.:** Q1574

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167166**						
PB167133TB	PB167133TB	MB	WATER	03/17/2025	3.0	30.0	
PB167166BL	PB167166BL	MB	WATER	03/17/2025	30.0	30.0	
PB167166BS	PB167166BS	LCS	WATER	03/17/2025	30.0	30.0	
Q1568-04DUP	JC-03-03132025DUP	DUP	WATER	03/17/2025	3.0	30.0	
Q1568-04MS	JC-03-03132025MS	MS	WATER	03/17/2025	3.0	30.0	
Q1568-04MSD	JC-03-03132025MSD	MSD	WATER	03/17/2025	3.0	30.0	
Q1574-02	WC1	SAM	WATER	03/17/2025	3.0	30.0	

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135063

Review By	kareem	Review On	3/18/2025 12:28:54 PM
Supervise By	jaswal	Supervise On	3/20/2025 11:15:13 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/17/25 14:05		Kareem	OK
2	S1	S1	CAL2	03/17/25 14:09		Kareem	OK
3	S2	S2	CAL3	03/17/25 14:14		Kareem	OK
4	S3	S3	CAL4	03/17/25 14:18		Kareem	OK
5	S4	S4	CAL5	03/17/25 14:22		Kareem	OK
6	S5	S5	CAL6	03/17/25 14:27		Kareem	OK
7	ICV01	ICV01	ICV	03/17/25 14:31	ICV01 Fail for Be (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/17/25 14:38		Kareem	OK
9	ICB01	ICB01	ICB	03/17/25 14:43		Kareem	OK
10	CRI01	CRI01	CRDL	03/17/25 14:47		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/17/25 14:51		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/17/25 15:02		Kareem	OK
13	ICSADL	ICSADL	ICSA	03/17/25 15:06		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	03/17/25 15:11		Kareem	OK
15	CCV01	CCV01	CCV	03/17/25 15:15		Kareem	OK
16	CCB01	CCB01	CCB	03/17/25 15:27		Kareem	OK
17	PB167007BL	PB167007BL	MB	03/17/25 15:31		Kareem	OK
18	PB167007BS	PB167007BS	LCS	03/17/25 15:35	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135063

Review By	kareem	Review On	3/18/2025 12:28:54 PM
Supervise By	jaswal	Supervise On	3/20/2025 11:15:13 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

19	PB167119BL	PB167119BL	MB	03/17/25 15:39		Kareem	OK
20	PB167119BS	PB167119BS	LCS	03/17/25 15:44	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
21	Q1543-01	ISB878MW02	SAM	03/17/25 15:48		Kareem	OK
22	Q1543-02	ISB878MW05	SAM	03/17/25 15:52		Kareem	OK
23	Q1543-02DUP	ISB878MW05DUP	DUP	03/17/25 15:56		Kareem	OK
24	Q1543-02L	ISB878MW05L	SD	03/17/25 16:01		Kareem	OK
25	Q1543-02MS	ISB878MW05MS	MS	03/17/25 16:05	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
26	Q1543-02MSD	ISB878MW05MSD	MSD	03/17/25 16:09	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
27	CCV02	CCV02	CCV	03/17/25 16:13		Kareem	OK
28	CCB02	CCB02	CCB	03/17/25 16:17		Kareem	OK
29	Q1553-03	FRAC-TANK-FMI120	SAM	03/17/25 16:22		Kareem	OK
30	Q1543-02A	ISB878MW05A	PS	03/17/25 16:26	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
31	Q1568-04	JC-03-03132025	SAM	03/17/25 16:30		Kareem	OK
32	Q1568-04DUP	JC-03-03132025DUP	DUP	03/17/25 16:35		Kareem	OK
33	Q1568-04L	JC-03-03132025L	SD	03/17/25 16:39		Kareem	OK
34	Q1568-04MS	JC-03-03132025MS	MS	03/17/25 16:43	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135063

Review By	kareem	Review On	3/18/2025 12:28:54 PM
Supervise By	jaswal	Supervise On	3/20/2025 11:15:13 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

35	Q1568-04MSD	JC-03-03132025MSD	MSD	03/17/25 16:47	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
36	Q1568-04A	JC-03-03132025A	PS	03/17/25 16:52	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
37	PB167133TB	PB167133TB	MB	03/17/25 16:56		Kareem	OK
38	PB167161BL	PB167161BL	MB	03/17/25 17:00		Kareem	OK
39	CCV03	CCV03	CCV	03/17/25 17:05		Kareem	OK
40	CCB03	CCB03	CCB	03/17/25 17:09		Kareem	OK
41	PB167161BS	PB167161BS	LCS	03/17/25 17:13	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
42	Q1566-01	CTWK-COMP	SAM	03/17/25 17:17		Kareem	OK
43	Q1568-01	JC-03-03132025	SAM	03/17/25 17:21		Kareem	OK
44	Q1568-01DUP	JC-03-03132025DUP	DUP	03/17/25 17:25		Kareem	OK
45	Q1568-01L	JC-03-03132025L	SD	03/17/25 17:29		Kareem	OK
46	Q1568-01MS	JC-03-03132025MS	MS	03/17/25 17:34	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
47	Q1568-01MSD	JC-03-03132025MSD	MSD	03/17/25 17:38	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
48	Q1568-01A	JC-03-03132025A	PS	03/17/25 17:43	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
49	CCV04	CCV04	CCV	03/17/25 17:51		Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135063

Review By	kareem	Review On	3/18/2025 12:28:54 PM
Supervise By	jaswal	Supervise On	3/20/2025 11:15:13 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

50	CCB04	CCB04	CCB	03/17/25 17:55		Kareem	OK
51	LR1	LR1	HIGH STD	03/17/25 17:59		Kareem	OK
52	LR2	LR2	HIGH STD	03/17/25 18:04		Kareem	OK
53	PB167132BL	PB167132BL	MB	03/17/25 18:10		Kareem	OK
54	PB167132BS	PB167132BS	LCS	03/17/25 18:14	0.1 ML OF M6004 AND M6013 WERE ADDED TO 10 ML OF SAMPLE	Kareem	OK
55	CCV05	CCV05	CCV	03/17/25 18:18		Kareem	OK
56	CCB05	CCB05	CCB	03/17/25 18:22		Kareem	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135064

Review By	Mohan	Review On	3/20/2025 11:15:47 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:16:04 AM

STD. NAME	STD REF.#
ICAL Standard	MP84882,MP84883,MP84884,MP84885,MP84886,MP84887
ICV Standard	MP84889
CCV Standard	MP84891
ICSA Standard	
CRI Standard	MP84893
LCS Standard	
Chk Standard	MP84890,MP84892,MP84894,MP84898

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/18/25 09:34		Mohan	OK
2	S0.2	S0.2	CAL2	03/18/25 09:36		Mohan	OK
3	S2.5	S2.5	CAL3	03/18/25 09:39		Mohan	OK
4	S5	S5	CAL4	03/18/25 09:41		Mohan	OK
5	S7.5	S7.5	CAL5	03/18/25 09:49		Mohan	OK
6	S10	S10	CAL6	03/18/25 09:52		Mohan	OK
7	ICV46	ICV46	ICV	03/18/25 09:55		Mohan	OK
8	ICB46	ICB46	ICB	03/18/25 09:57		Mohan	OK
9	CCV20	CCV20	CCV	03/18/25 09:59		Mohan	OK
10	CCB20	CCB20	CCB	03/18/25 10:04		Mohan	OK
11	CRA	CRA	CRDL	03/18/25 10:06		Mohan	OK
12	HighStd	HighStd	HIGH STD	03/18/25 10:09		Mohan	OK
13	ChkStd	ChkStd	SAM	03/18/25 10:11		Mohan	OK
14	PB167166BL	PB167166BL	MB	03/18/25 10:16		Mohan	OK
15	PB167166BS	PB167166BS	LCS	03/18/25 10:18		Mohan	OK
16	Q1568-04	JC-03-03132025	SAM	03/18/25 10:20		Mohan	OK
17	Q1568-04DUP	JC-03-03132025DUP	DUP	03/18/25 10:23		Mohan	OK
18	Q1568-04MS	JC-03-03132025MS	MS	03/18/25 10:25		Mohan	OK

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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135064

Review By	Mohan	Review On	3/20/2025 11:15:47 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:16:04 AM

STD. NAME	STD REF.#
ICAL Standard	MP84882,MP84883,MP84884,MP84885,MP84886,MP84887
ICV Standard	MP84889
CCV Standard	MP84891
ICSA Standard	
CRI Standard	MP84893
LCS Standard	
Chk Standard	MP84890,MP84892,MP84894,MP84898

19	Q1568-04MSD	JC-03-03132025MSD	MSD	03/18/25 10:27		Mohan	OK
20	Q1569-02	TAP-IDW-SOIL-03132	SAM	03/18/25 10:30		Mohan	OK
21	CCV21	CCV21	CCV	03/18/25 10:35		Mohan	OK
22	CCB21	CCB21	CCB	03/18/25 10:41		Mohan	OK
23	Q1569-05	TAP-IDW-SOIL-03132	SAM	03/18/25 10:43		Mohan	OK
24	Q1574-02	WC1	SAM	03/18/25 10:45		Mohan	OK
25	PB167133TB	PB167133TB	MB	03/18/25 10:48		Mohan	OK
26	Q1568-04L	JC-03-03132025L	SD	03/18/25 10:50		Mohan	OK
27	Q1568-04A	JC-03-03132025A	PS	03/18/25 10:52		Mohan	OK
28	CCV22	CCV22	CCV	03/18/25 10:54		Mohan	OK
29	CCB22	CCB22	CCB	03/18/25 10:59		Mohan	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	03/18/25 10:11		Kareem	OK
2	S1	S1	CAL2	03/18/25 10:15		Kareem	OK
3	S2	S2	CAL3	03/18/25 10:20		Kareem	OK
4	S3	S3	CAL4	03/18/25 10:24		Kareem	OK
5	S4	S4	CAL5	03/18/25 10:28		Kareem	OK
6	S5	S5	CAL6	03/18/25 10:32		Kareem	OK
7	ICV01	ICV01	ICV	03/18/25 10:36	ICV01 Fail for Be,Tl (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	03/18/25 10:41		Kareem	OK
9	ICB01	ICB01	ICB	03/18/25 10:45		Kareem	OK
10	CRI01	CRI01	CRDL	03/18/25 10:49		Kareem	OK
11	ICSA01	ICSA01	ICSA	03/18/25 10:54		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	03/18/25 11:04		Kareem	OK
13	CCV01	CCV01	CCV	03/18/25 11:09		Kareem	OK
14	CCB01	CCB01	CCB	03/18/25 11:13		Kareem	OK
15	PB167145BL	PB167145BL	MB	03/18/25 11:18		Kareem	OK
16	PB167145BS	PB167145BS	LCS	03/18/25 11:22	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
17	PB167150BL	PB167150BL	MB	03/18/25 11:27		Kareem	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

18	PB167150BS	PB167150BS	LCS	03/18/25 11:32	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
19	Q1569-05	TAP-IDW-SOIL-03132	SAM	03/18/25 11:36	Need to Confirm TCLP	Kareem	OK
20	Q1569-02	TAP-IDW-SOIL-03132	SAM	03/18/25 11:40		Kareem	OK
21	Q1574-02	WC1	SAM	03/18/25 11:45		Kareem	OK
22	Q1574-01	WC1	SAM	03/18/25 11:49	Cr,Cu,Fe,Zn High & Ag (Oversaturated)	Kareem	Dilution
23	Q1569-04	TAP-IDW-SOIL-03132	SAM	03/18/25 11:54		Kareem	OK
24	Q1581-01	TR-06-031425	SAM	03/18/25 11:58		Kareem	OK
25	CCV02	CCV02	CCV	03/18/25 12:08		Kareem	OK
26	CCB02	CCB02	CCB	03/18/25 12:17		Kareem	OK
27	Q1581-01DUP	TR-06-031425DUP	DUP	03/18/25 12:22		Kareem	OK
28	Q1581-01L	TR-06-031425L	SD	03/18/25 12:26		Kareem	OK
29	Q1581-01MS	TR-06-031425MS	MS	03/18/25 12:30	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
30	Q1581-01MSD	TR-06-031425MSD	MSD	03/18/25 12:34	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
31	Q1581-01A	TR-06-031425A	PS	03/18/25 12:38	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
32	Q1585-01	OK-02-03142025	SAM	03/18/25 12:42		Kareem	OK
33	Q1585-01DUP	OK-02-03142025DUP	DUP	03/18/25 12:46		Kareem	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

34	Q1585-01L	OK-02-03142025L	SD	03/18/25 12:50		Kareem	OK
35	Q1585-01MS	OK-02-03142025MS	MS	03/18/25 12:55	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
36	Q1585-01MSD	OK-02-03142025MSD	MSD	03/18/25 12:59	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
37	CCV03	CCV03	CCV	03/18/25 13:07		Kareem	OK
38	CCB03	CCB03	CCB	03/18/25 13:13		Kareem	OK
39	Q1585-01A	OK-02-03142025A	PS	03/18/25 13:17	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
40	Q1574-02L	WC1L	SD	03/18/25 13:32	NOT USE	Kareem	Not Ok
41	Q1574-01DL	WC1DL	SAM	03/18/25 13:41	20X for Cr,Cu,Fe,Ag,Zn	Kareem	Confirms
42	LR1	LR1	HIGH STD	03/18/25 13:45		Kareem	OK
43	LR2	LR2	HIGH STD	03/18/25 13:50		Kareem	OK
44	Q1590-02	20071	SAM	03/18/25 13:54		Kareem	OK
45	Q1590-02DUP	20071DUP	DUP	03/18/25 13:58		Kareem	OK
46	Q1590-02L	20071L	SD	03/18/25 14:03		Kareem	OK
47	CCV04	CCV04	CCV	03/18/25 14:07		Kareem	OK
48	CCB04	CCB04	CCB	03/18/25 14:20		Kareem	OK
49	Q1590-02MS	20071MS	MS	03/18/25 14:24	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB135083

Review By	kareem	Review On	3/19/2025 10:45:13 AM
Supervise By	jaswal	Supervise On	3/20/2025 11:14:55 AM

STD. NAME	STD REF.#
ICAL Standard	MP84636,MP84637,MP84638,MP84639,MP84640,MP84846
ICV Standard	MP84643
CCV Standard	MP84646
ICSA Standard	MP84644,MP84721
CRI Standard	MP84846
LCS Standard	
Chk Standard	MP84649,MP84650

50	Q1590-02MSD	20071MSD	MSD	03/18/25 14:28	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
51	Q1590-02A	20071A	PS	03/18/25 14:32	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
52	Q1592-01	OILY-DEBRIS-COMP	SAM	03/18/25 14:37	% Solids Missing	Kareem	OK
53	PB167179BL	PB167179BL	MB	03/18/25 14:41		Kareem	OK
54	PB167179BS	PB167179BS	LCS	03/18/25 14:45	0.1 ml of M6013 and M6004 were added to 10 ml of sample	Kareem	OK
55	CCV05	CCV05	CCV	03/18/25 14:49		Kareem	OK
56	CCB05	CCB05	CCB	03/18/25 14:53		Kareem	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167161

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 03/17/2025 **Time :** 12:05 **Temp :** 96 °C

End Digest Date: 03/17/2025 **Time :** 15:10 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SLS.

Supervisor Signature: JP

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6003
LFS-2	1.00	M6012
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP84720
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK # 1 CELL #50 Temp :96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/17/25 16:10	SLS. met. dig	JP Met Dig
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB167161

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB167133TB	PB167133TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
PB167161BL	PBW161	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	2
PB167161BS	LCS161	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6012	3
Q1568-04MS	JC-03-03132025MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6012	6
Q1568-04MSD	JC-03-03132025MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6003,M6012	7
Q1568-04DUP	JC-03-03132025DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
Q1568-04	JC-03-03132025	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
Q1569-02	TAP-IDW-SOIL-031325-01	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	8
Q1569-05	TAP-IDW-SOIL-031325-02	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
Q1574-02	WC1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB167166

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 03/17/2025 **Time :** 10:35 **Temp :** 94 °C

End Digest Date: 03/17/2025 **Time :** 12:35 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP84889
CCV	30mL	MP84891
CRA	30mL	MP84893
Blank Spike	0.48mL	MP84881
Matrix Spike	0.48mL	MP84881

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP84563
KMnO4 (5%)	4.5mL	MP84564
K2S2O8 (5%)	2.5mL	MP84565
Hydroxylamine HCL (12%)	2.0mL	MP84566
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP84882
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP84883
2.5 ppb	S2.5	30mL	MP84884
5.0 ppb	S5.0	30mL	MP84885
7.5 ppb	S7.5	30mL	MP84886
10.0 ppb	S10.0	30mL	MP84887
ICV	ICV	30mL	MP84889
ICB	ICB	30mL	MP84890
CCV	CCV	30mL	MP84891
CCB	CCB	30mL	MP84892
CRI	CRI	30mL	MP84893
CHK STD	CHK STD	30mL	MP84894

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/17/25 @ 13:05		
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB167166

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB167133TB	PB167133TB	3	30	<2	N/A	3-1
PB167166BL	PBW166	30	30	<2	N/A	2
PB167166BS	LCS166	30	30	<2	MP84881	3
Q1568-04DUP	JC-03-03132025DUP	3	30	<2	N/A	5
Q1568-04MS	JC-03-03132025MS	3	30	<2	MP84881	6
Q1568-04MSD	JC-03-03132025MSD	3	30	<2	MP84881	7
Q1568-04	JC-03-03132025	3	30	<2	N/A	4
Q1569-02	TAP-IDW-SOIL-031325-01	3	30	<2	N/A	8
Q1569-05	TAP-IDW-SOIL-031325-02	3	30	<2	N/A	9
Q1574-02	WC1	3	30	<2	N/A	10

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167133

10

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 03/14/2025 **Time :** 14:00

End Prep Date : 03/15/2025 **Time :** 08:30

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 18

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : 18

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
N/A	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked.30 rpm. Particle size reduction is not required. q1568-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03117125 10:00	18 /TCLP Room	SPD. DS /EAL
	Preparation Group	Analysis Group /MEL 0.1g

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167133

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167133TB	LEB133	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q1507-04	50-MIDDLESEX-AVE	01	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
Q1568-04	JC-03-03132025	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1569-02	TAP-IDW-SOIL-031325-01	03	100.01	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1569-05	TAP-IDW-SOIL-031325-02	04	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1574-02	WC1	05	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167133TB	LEB133	N/A	N/A	N/A	N/A	N/A	N/A
Q1507-04	50-MIDDLESEX-AVE	N/A	N/A	N/A	N/A	100	N/A
Q1568-04	JC-03-03132025	N/A	N/A	N/A	N/A	100	N/A
Q1569-02	TAP-IDW-SOIL-031325-01	N/A	N/A	N/A	N/A	100	N/A
Q1569-05	TAP-IDW-SOIL-031325-02	N/A	N/A	N/A	N/A	100	N/A
Q1574-02	WC1	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167133

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB167133TB	LEB133	N/A	N/A	N/A	N/A	#1	4.93
Q1507-04	50-MIDDLESEX-AVE	5.02	96.5	7.0	2.5	#1	4.93
Q1568-04	JC-03-03132025	5.01	96.5	7.0	2.5	#1	4.93
Q1569-02	TAP-IDW-SOIL-031325-01	5.03	96.5	6.8	2.0	#1	4.93
Q1569-05	TAP-IDW-SOIL-031325-02	5.04	96.5	10.0	4.0	#1	4.93
Q1574-02	WC1	5.03	96.5	6.8	2.0	#1	4.93

SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25 12:55
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-01	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	6.76	H	1	0	0	pH		03/14/25 15:35	9045D

Comments: pH result reported at temperature 22.2 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	03/12/25 12:55
Project:	Ave L	Date Received:	03/14/25
Client Sample ID:	WC1	SDG No.:	Q1574
Lab Sample ID:	Q1574-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	6.76	H	1	0	0	pH		03/14/25 15:35	9045D
Ignitability	NO		1	0	0	oC		03/14/25 12:38	1030
Reactive Cyanide	0.042	U	1	0.042	0.24	mg/Kg	03/14/25 13:50	03/14/25 15:50	9012B
Reactive Sulfide	3.17	J	1	0.20	10.0	mg/Kg	03/17/25 15:20	03/18/25 11:58	9034

Comments: pH result reported at temperature 22.2 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Verification

Client: G Environmental **SDG No.:** Q1574

Project: Ave L **RunNo.:** LB135039

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
pH	pH	6.99	7	100	90-110	03/14/2025
Sample ID: **CCV1**						
pH	pH	2.01	2.00	101	90-110	03/14/2025
Sample ID: **CCV2**						
pH	pH	12.02	12.00	100	90-110	03/14/2025

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Initial and Continuing Calibration Verification

Client: G Environmental **SDG No.:** Q1574

Project: Ave L **RunNo.:** LB135040

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Corrosivity		pH	6.99	7	100	90-110	03/14/2025
Sample ID:	**CCV1**						
Corrosivity		pH	2.01	2.00	101	90-110	03/14/2025
Sample ID:	**CCV2**						
Corrosivity		pH	12.02	12.00	100	90-110	03/14/2025

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Initial and Continuing Calibration Verification

Client:	G Environmental	**SDG No.:**	Q1574
Project:	Ave L	**RunNo.:**	LB135043

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.092	0.099	93	85-115	03/14/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	03/14/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	03/14/2025
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	03/14/2025

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Initial and Continuing Calibration Blank Summary

Client: G Environmental **SDG No.:** Q1574

Project: Ave L **RunNo.:** LB135043

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	03/14/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	03/14/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	03/14/2025
Sample ID: CCB3							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00099	0.005	03/14/2025

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Preparation Blank Summary

Client: G Environmental **SDG No.:** Q1574

Project: Ave L

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB167122BL							
Reactive Cyanide	mg/Kg	< 0.1250	0.1250	U	0.044	0.25	03/14/2025
Sample ID: PB167149BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	03/18/2025

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Duplicate Sample Summary

Client: G Environmental
SDG No.: Q1574
Project: Ave L
Sample ID: Q1547-05
Client ID: OR-620-JB-COMP-01DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Cyanide	mg/Kg	+/-20	0.042	U	0.043	U	1	0		03/14/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Ave L
Client ID: JC-03-03132025DUP
SDG No.: Q1574
Sample ID: Q1568-01
Percent Solids for Spike Sample: 93

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		03/14/2025

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Duplicate Sample Summary

Client: G Environmental
Project: Ave L
Client ID: JC-03-03132025DUP
SDG No.: Q1574
Sample ID: Q1568-04
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	1.59	J	1.59	J	1	0		03/18/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Ave L
Client ID: WC1DUP
SDG No.: Q1574
Sample ID: Q1574-01
Percent Solids for Spike Sample: 98

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	6.76		6.77		1	0.15		03/14/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Ave L
Client ID: WC1DUP
SDG No.: Q1574
Sample ID: Q1574-02
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Corrosivity	pH	+/-20	6.76		6.77		1	0.15		03/14/2025

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Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB135032

Review By	rubina	Review On	3/14/2025 2:42:23 PM
Supervise By	Iwona	Supervise On	3/14/2025 2:44:17 PM
SubDirectory	LB135032	Test	Ignitability

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q1568-01	JC-03-03132025	SAM	03/14/25 12:00		rubina	OK
2	Q1568-01DUP	JC-03-03132025DUP	DUP	03/14/25 12:08		rubina	OK
3	Q1568-04	JC-03-03132025	SAM	03/14/25 12:16		rubina	OK
4	Q1569-01	TAP-IDW-SOIL-03132	SAM	03/14/25 12:24		rubina	OK
5	Q1569-04	TAP-IDW-SOIL-03132	SAM	03/14/25 12:31		rubina	OK
6	Q1574-02	WC1	SAM	03/14/25 12:38		rubina	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135039

Review By	jignesh	Review On	3/14/2025 3:25:50 PM
Supervise By	Iwona	Supervise On	3/14/2025 4:17:01 PM
SubDirectory	LB135039	Test	pH

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3107,W3093,W3094,W3071,W3161,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	03/14/25 14:40		Jignesh	OK
2	CAL2	CAL2	CAL	03/14/25 14:41		Jignesh	OK
3	CAL3	CAL3	CAL	03/14/25 14:45		Jignesh	OK
4	ICV	ICV	ICV	03/14/25 14:50		Jignesh	OK
5	CCV1	CCV1	CCV	03/14/25 15:00		Jignesh	OK
6	Q1569-01	TAP-IDW-SOIL-03132	SAM	03/14/25 15:10		Jignesh	OK
7	Q1569-04	TAP-IDW-SOIL-03132	SAM	03/14/25 15:20		Jignesh	OK
8	Q1574-01	WC1	SAM	03/14/25 15:35		Jignesh	OK
9	Q1574-01DUP	WC1DUP	DUP	03/14/25 15:36		Jignesh	OK
10	CCV2	CCV2	CCV	03/14/25 15:40		Jignesh	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB135040

Review By	jignesh	Review On	3/14/2025 3:32:03 PM
Supervise By	Iwona	Supervise On	3/14/2025 4:16:50 PM
SubDirectory	LB135040	Test	Corrosivity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3107,W3093,W3094,W3071,W3161,W3072

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	03/14/25 14:40		Jignesh	OK
2	CAL2	CAL2	CAL	03/14/25 14:41		Jignesh	OK
3	CAL3	CAL3	CAL	03/14/25 14:45		Jignesh	OK
4	ICV	ICV	ICV	03/14/25 14:50		Jignesh	OK
5	CCV1	CCV1	CCV	03/14/25 15:00		Jignesh	OK
6	Q1568-04	JC-03-03132025	SAM	03/14/25 15:15		Jignesh	OK
7	Q1574-02	WC1	SAM	03/14/25 15:35		Jignesh	OK
8	Q1574-02DUP	WC1DUP	DUP	03/14/25 15:36		Jignesh	OK
9	CCV2	CCV2	CCV	03/14/25 15:40		Jignesh	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135043

Review By	Niha	Review On	3/17/2025 10:58:12 AM
Supervise By	Iwona	Supervise On	3/17/2025 1:34:00 PM
SubDirectory	LB135043	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP112310,WP112311,WP112312,WP112313,WP112314,WP112315,WP112316
ICV Standard	WP112318
CCV Standard	WP112311
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111035,WP110103,WP112317

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/14/25 15:15		Niha	OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/14/25 15:15		Niha	OK
3	10PPBCN	10PPBCN	CAL3	03/14/25 15:15		Niha	OK
4	50PPBCN	50PPBCN	CAL4	03/14/25 15:15		Niha	OK
5	100PPBCN	100PPBCN	CAL5	03/14/25 15:15		Niha	OK
6	250PPBCN	250PPBCN	CAL6	03/14/25 15:15		Niha	OK
7	500PPBCN	500PPBCN	CAL7	03/14/25 15:15		Niha	OK
8	ICV1	ICV1	ICV	03/14/25 15:42		Niha	OK
9	ICB1	ICB1	ICB	03/14/25 15:42		Niha	OK
10	CCV1	CCV1	CCV	03/14/25 15:42		Niha	OK
11	CCB1	CCB1	CCB	03/14/25 15:42		Niha	OK
12	PB167122BL	PB167122BL	MB	03/14/25 15:42		Niha	OK
13	Q1547-05	OR-620-JB-COMP-01	SAM	03/14/25 15:42		Niha	OK
14	Q1547-05DUP	OR-620-JB-COMP-01	DUP	03/14/25 15:42		Niha	OK
15	Q1547-10	OR-620-JB-COMP-02	SAM	03/14/25 15:50		Niha	OK
16	Q1552-05	NB-418-JB-COMP-01	SAM	03/14/25 15:50		Niha	OK
17	Q1568-04	JC-03-03132025	SAM	03/14/25 15:50		Niha	OK
18	Q1570-01	TAP-IDW-SOIL-03132	SAM	03/14/25 15:50		Niha	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB135043

Review By	Niha	Review On	3/17/2025 10:58:12 AM
Supervise By	Iwona	Supervise On	3/17/2025 1:34:00 PM
SubDirectory	LB135043	Test	Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP112310,WP112311,WP112312,WP112313,WP112314,WP112315,WP112316
ICV Standard	WP112318
CCV Standard	WP112311
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP111035,WP110103,WP112317

19	Q1570-02	TAP-IDW-SOIL-03132	SAM	03/14/25 15:50		Niha	OK
20	Q1574-02	WC1	SAM	03/14/25 15:50		Niha	OK
21	PB167141BL	PB167141BL	MB	03/14/25 15:50		Niha	OK
22	CCV2	CCV2	CCV	03/14/25 15:50		Niha	OK
23	CCB2	CCB2	CCB	03/14/25 15:50		Niha	OK
24	Q1563-01	437	SAM	03/14/25 15:54		Niha	OK
25	Q1563-01DUP	437DUP	DUP	03/14/25 15:54		Niha	OK
26	Q1563-02	FERNOT-WATER	SAM	03/14/25 15:54		Niha	OK
27	Q1577-03	MOO-25-0072	SAM	03/14/25 15:54		Niha	OK
28	CCV3	CCV3	CCV	03/14/25 15:57		Niha	OK
29	CCB3	CCB3	CCB	03/14/25 15:57		Niha	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB135069

Review By	rubina	Review On	3/18/2025 1:01:07 PM
Supervise By	Iwona	Supervise On	3/18/2025 1:17:49 PM
SubDirectory	LB135069	Test	Reactive Sulfide

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	W3105,W3114,W3149

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB167149BL	PB167149BL	MB	03/18/25 11:45		rubina	OK
2	Q1568-04	JC-03-03132025	SAM	03/18/25 11:48		rubina	OK
3	Q1568-04DUP	JC-03-03132025DUP	DUP	03/18/25 11:50		rubina	OK
4	Q1570-01	TAP-IDW-SOIL-03132	SAM	03/18/25 11:53		rubina	OK
5	Q1570-02	TAP-IDW-SOIL-03132	SAM	03/18/25 11:56		rubina	OK
6	Q1574-02	WC1	SAM	03/18/25 11:58		rubina	OK
7	Q1590-01	3794	SAM	03/18/25 12:01		rubina	OK

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LAB CHRONICLE

OrderID:	Q1574	**OrderDate:**	3/14/2025 11:25:00 AM
Client:	G Environmental	**Project:**	Ave L
Contact:	Gary Landis	**Location:**	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1574-01	**WC1**	**SOIL**			**03/12/25 12:55**			**03/14/25**
			pH	9045D			03/14/25 15:35	
Q1574-02	**WC1**	**SOIL**			**03/12/25 12:55**			**03/14/25**
			Corrosivity	9045D			03/14/25 15:35	
			Ignitability	1030			03/14/25 12:38	
			Reactive Cyanide	9012B		03/14/25	03/14/25 15:50	
			Reactive Sulfide	9034		03/17/25	03/18/25 11:58	

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Soil/Sludge Reactive Cyanide Preparation Sheet

PB167122

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-20

SDG No : N/A

Start Digest Date: 03/14/2025 **Time :** 13:50 **Temp :** N/A

Matrix : SOIL

End Digest Date: 03/14/2025 **Time :** 15:20 **Temp :** N/A

Pippete ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : MC-1, MC-2

Filter paper ID : N/A

Prep Technician Signature: NF

Weigh By : NF

pH Meter ID : N/A

Supervisor Signature:

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP111294
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID		Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03.14.2025, 15:30	NF/WC	NF/WC
	Preparation Group	**Analysis Group**

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Soil/Sludge Reactive Cyanide Preparation Sheet

PB167122

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167122BL	PBS122	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1547-05DUP	OR-620-JB-COMP-01DUP	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1547-05	OR-620-JB-COMP-01	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1547-10	OR-620-JB-COMP-02	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1552-05	NB-418-JB-COMP	1.05	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1568-04	JC-03-03132025	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1570-01	TAP-IDW-SOIL-031325-01	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1570-02	TAP-IDW-SOIL-031325-02	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1574-02	WC1	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A

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Soil/Sludge Reactive Sulfide Preparation Sheet

PB167149

SOP ID : M9030B-Sulfide-12

SDG No : N/A

Matrix : SOIL

Pippete ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : RM

Start Digest Date: 03/17/2025 **Time :** 15:20 **Temp :** N/A

End Digest Date: 03/17/2025 **Time :** 16:50 **Temp :** N/A

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : N/A

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP111004
FORMALDEHYDE	2.0ML	W2725
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

03/17/2025 RM

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

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Soil/Sludge Reactive Sulfide Preparation Sheet

PB167149

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB167149BL	PBS149	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1568-04DUP	JC-03-03132025DUP	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1568-04	JC-03-03132025	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1570-01	TAP-IDW-SOIL-031325-01	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1570-02	TAP-IDW-SOIL-031325-02	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1574-02	WC1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q1590-01	3794	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1574
COC Number 2046131

12
13.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP Inc
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Ave L
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STANDARD DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
- ☐ Level 2 (Results + QC) X NJ Reduced ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- X EDD FORMAT excel master edd

ANALYSIS

1: TCLP metals 2: TAL metals 3: RCRA 4: VOC 5: BNA's 6: PCB's 7: pH / Ignitability 8: EPH 9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	WC1	Soil	X		3/13/25	1255	2	X	X	X	X	X	X	X	X		
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/14/25 1110	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
Comments: _____

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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Fax : 908 789 8922

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13.3

LOGIN REPORT/SAMPLE TRANSFER

nj reduce

Order ID : Q1574 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 3/14/2025 11:25:00 AM
Project Name : Ave L
Receive DateTime : 3/14/2025 ~~3:00:00~~ 11:10 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level 1~~ Results only
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1574-01	WC1	Solid	03/12/2025	12:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By :
Date / Time : 3/14/25 1150

Received By :
Date / Time : 3/14/25 11:25
Storage Area : VOA Refridgerator Room